

**DRAFT FINAL
RECORD OF DECISION
OPERABLE UNIT 3A
SITE 11
MARINE CORPS AIR STATION
EL TORO, CALIFORNIA**

September 1999

**DRAFT FINAL
RECORD OF DECISION
OPERABLE UNIT 3A
SITE 11
MARINE CORPS AIR STATION
EL TORO, CALIFORNIA**

September 1999

DECISION SUMMARY

Date: 09/17/99

DECLARATION

SITE NAME AND LOCATION

Operable Unit 3A (OU-3A), Site 11, Transformer Storage Area, Marine Corps Air Station (MCAS) El Toro, Orange County, California

STATEMENT OF BASIS AND PURPOSE

This decision document presents the selected remedial action for Site 11 at MCAS El Toro in Orange County, California. The remedial action was developed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan. This decision is based on the Administrative Record file for this site. Attachment A contains the Administrative Record index for Site 11.

The state of California (through the California Environmental Protection Agency, Department of Toxic Substances Control and Santa Ana Regional Water Quality Control Board) and the United States Environmental Protection Agency (U.S. EPA) concur on the selected remedy.

ASSESSMENT OF THE SITE

Actual or threatened releases of hazardous substances from this site, if not addressed by implementing the response action selected in this Record of Decision, may present a current or potential threat to public health, welfare, or the environment.

DESCRIPTION OF THE REMEDY

One site is addressed in this OU-3A Record of Decision: Site 11 (Units 1, 2, and 3). This site was divided into units based on physical characteristics and activities performed in each portion of the site. Dividing the site into units allowed the Marines Corps to plan actions most appropriate for each part of the entire site.

No action is selected at Site 11 (Unit 3) because concentrations of contaminants in soil are low, and risks to human health are within the range considered allowable by U.S. EPA.

Due to the types of chemicals and concentrations present in shallow soil (0 to 10 feet below ground surface), the Marines Corps selects cleanup at Site 11 (Units 1 and 2). The Marine Corps' preferred remedy for the cleanup at these units involves excavating the contaminated soil and disposing of the excavated soil at an appropriate off-Station facility. Sampling will be conducted to confirm that all the contaminated soil has been removed from the excavated areas. The excavated area will be backfilled to surrounding grade with clean fill material. Excavation at the units will achieve an excess cancer risk of approximately 10^{-6} and a noncancer hazard index of approximately 1 for a residential-use scenario. This risk is within the range considered allowable by the United

Declaration

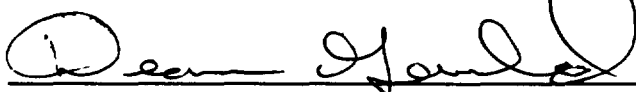
States Environmental Protection Agency and would allow for unrestricted use of all portions of the site. Once the site has been remediated, no reuse restrictions or monitoring will be required at any units.

STATUTORY DETERMINATIONS

The selected remedy is protective of human health and the environment, complies with, or justifies the waiver of federal and state requirements that are legally applicable or relevant and appropriate to the remedial action and is cost-effective. This remedy does not satisfy the statutory preference for treatment as a principal element of the remedy. Although the selected remedy does not employ treatment, the possibility of contact with contaminated soil will be eliminated because the soil will be excavated and disposed off-Station at a permitted facility.

Because hazardous substances will not remain on-site above health-based levels, the 5-year review requirement of CERCLA Section 121(c) is not applicable.

Signature: _____



Mr. Dean Gould

Base Realignment and Closure Environmental Coordinator
Marine Corps Air Station El Toro

Date: _____

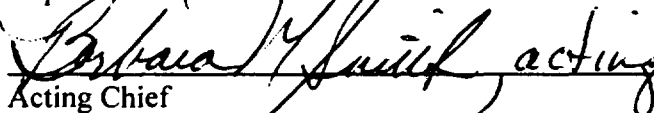
9/30/99

Signature: _____

Mr. John E. Scandura, Chief
Southern California Operations
Office of Military Facilities
Department of Toxic Substances Control

Date: _____

Signature: _____



Acting Chief

Federal Facilities Cleanup Branch

United States Environmental Protection Agency, Region IX

Date: _____

9/30/99

Signature: _____

Mr. Gerard Thibeault

Executive Officer

Regional Water Quality Control Board, Santa Ana Region

Date: _____

DECLARATION

SITE NAME AND LOCATION

Operable Unit 3A (OU-3A), Site 11, Transformer Storage Area, Marine Corps Air Station (MCAS) El Toro, Orange County, California

STATEMENT OF BASIS AND PURPOSE

This decision document presents the selected remedial action for Site 11 at MCAS El Toro in Orange County, California. The remedial action was developed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan. This decision is based on the Administrative Record file for this site. Attachment A contains the Administrative Record index for Site 11.

The state of California (through the California Environmental Protection Agency, Department of Toxic Substances Control and Santa Ana Regional Water Quality Control Board) and the United States Environmental Protection Agency (U.S. EPA) concur on the selected remedy.

ASSESSMENT OF THE SITE

Actual or threatened releases of hazardous substances from this site, if not addressed by implementing the response action selected in this Record of Decision, may present a current or potential threat to public health, welfare, or the environment.

DESCRIPTION OF THE REMEDY

One site is addressed in this OU-3A Record of Decision: Site 11 (Units 1, 2, and 3). This site was divided into units based on physical characteristics and activities performed in each portion of the site. Dividing the site into units allowed the Marines Corps to plan actions most appropriate for each part of the entire site.

No action is selected at Site 11 (Unit 3) because concentrations of contaminants in soil are low, and risks to human health are within the range considered allowable by U.S. EPA.

Due to the types of chemicals and concentrations present in shallow soil (0 to 10 feet below ground surface), the Marines Corps selects cleanup at Site 11 (Units 1 and 2). The Marine Corps' preferred remedy for the cleanup at these units involves excavating the contaminated soil and disposing of the excavated soil at an appropriate off-Station facility. Sampling will be conducted to confirm that all the contaminated soil has been removed from the excavated areas. The excavated area will be backfilled to surrounding grade with clean fill material. Excavation at the units will achieve an excess cancer risk of approximately 10^{-6} and a noncancer hazard index of approximately 1 for a residential-use scenario. This risk is within the range considered allowable by the United

States Environmental Protection Agency and would allow for unrestricted use of all portions of the site. Once the site has been remediated, no reuse restrictions or monitoring will be required at any units.

STATUTORY DETERMINATIONS

The selected remedy is protective of human health and the environment, complies with, or justifies the waiver of federal and state requirements that are legally applicable or relevant and appropriate to the remedial action and is cost-effective. This remedy does not satisfy the statutory preference for treatment as a principal element of the remedy. Although the selected remedy does not employ treatment, the possibility of contact with contaminated soil will be eliminated because the soil will be excavated and disposed off-Station at a permitted facility.

Because hazardous substances will not remain on-site above health-based levels, the 5-year review requirement of CERCLA Section 121(c) is not applicable.

Signature: _____
Mr. Dean Gould
Base Realignment and Closure Environmental Coordinator
Marine Corps Air Station El Toro

Date: _____

Signature: _____
Mr. John E. Scandura, Chief
Southern California Operations
Office of Military Facilities
Department of Toxic Substances Control

Date: _____

Signature: _____
Acting Chief
Federal Facilities Cleanup Branch
United States Environmental Protection Agency, Region IX

Date: _____

Signature: _____
Mr. Gerard Thibeault
Executive Officer
Regional Water Quality Control Board, Santa Ana Region

Date: _____

TABLE OF CONTENTS

Section	Page
DECLARATION	1
DECISION SUMMARY	
ACRONYMS/ABBREVIATIONS	v
 1 SITE NAME, LOCATION, AND DESCRIPTION	
1.1 Site Name	1-1
1.2 Site Location	1-1
1.3 Site Description	1-1
1.4 Geology and Hydrogeology	1-1
1.5 Surface Hydrology	1-9
1.6 Current Land Use	1-9
1.7 Future Land Use	1-10
 2 SITE HISTORY AND ENFORCEMENT ACTIVITIES	
 3 HIGHLIGHTS OF COMMUNITY PARTICIPATION	
3.1 Restoration Advisory Board	3-1
3.2 Public Mailings	3-2
3.3 Community Participation for Site 11	3-2
 4 SCOPE AND ROLE OF OPERABLE UNIT	
 5 SUMMARY OF SITE CHARACTERISTICS	
5.1 Site 11	5-1
5.1.1 Units 1 and 2	5-2
5.1.2 Unit 3	5-2
5.2 Potential Pathways for Migration	5-3

TABLE OF CONTENTS (continued)

Section	Page
6 SUMMARY OF SITE RISKS	
6.1 Human-Health Risk Assessment.....	6-1
6.2 No Action Units	6-2
6.3 Remedial Action Units.....	6-6
6.4 Summary	6-6
7 DESCRIPTION OF ALTERNATIVES	
7.1 Alternative 1 – No Action.....	7-1
7.2 Alternative 2 – Asphalt Cap With Restrictive Covenant	7-2
7.3 Alternative 3 – Excavation with Off-Station Disposal of Contaminated Soil	7-3
7.4 Alternative 4 – Excavation, On-Site Soil Washing, On-Site Incineration, and Off-Site Disposal of Incinerator Residuals at a Class I Landfill.....	7-5
7.5 Alternative 5 – Excavation, On-Site Soil Washing, and Disposal at a Class I Landfill.....	7-6
8 COMPARATIVE ANALYSIS OF ALTERNATIVES	
8.1 Overall Protection of Human Health and the Environment.....	8-1
8.2 Compliance With Applicable or Relevant and Appropriate Requirements.....	8-5
8.3 Long-Term Effectiveness and Permanence	8-6
8.4 Reduction of Toxicity, Mobility, or Volume Through Treatment.....	8-7
8.5 Short-Term Effectiveness	8-7
8.6 Implementability	8-8
8.7 Cost	8-9
8.8 State Acceptance	8-10
8.9 Community Acceptance.....	8-10
8.10 Summary of Comparative Analysis.....	8-10
9 SELECTED REMEDY	

TABLE OF CONTENTS (continued)

Section	Page
10 STATUTORY DETERMINATIONS	
10.1 Protection of Human Health and the Environment.....	10-1
10.2 Compliance With Applicable or Relevant and Appropriate Requirements	10-1
10.2.1 Chemical-Specific ARARs.....	10-2
10.2.1.1 Federal.....	10-2
10.2.1.2 State.....	10-2
10.2.2 Location-Specific ARARs.....	10-2
10.2.3 Action-Specific ARARs.....	10-2
10.2.3.1 Federal.....	10-7
10.2.3.2 State.....	10-8
10.3 Cost-Effectiveness	10-8
10.4 Utilization of Permanent Solutions and Alternative Treatment Technologies (or Resource Recovery Technologies) to the Maximum Extent Practicable	10-9
10.5 Statutory Preference for Treatment as a Principal Element.....	10-9
10.6 Applicability of Five-Year Review.....	10-10
11 DOCUMENTATION OF SIGNIFICANT CHANGES	
12 REFERENCES	

RESPONSIVENESS SUMMARY

ATTACHMENT

A ADMINISTRATIVE RECORD INDEX

FIGURES

Figure

1-1 Vicinity Map	1-2
1-2 Site Location Map.....	1-3
1-3 Topographic Map, Site 11 – Transformer Storage Area.....	1-5

TABLE OF CONTENTS (continued)

Figure		Page
1-4	Groundwater Elevation Map.....	1-11
5-1	Analytes Identified in Phase I and Phase II Soil Samples – Site 11	5-4

TABLES

Table		
1-1	Site Description and Land Use	1-7
2-1	Summary of Environmental Investigations at MCAS El Toro	2-5
3-1	RAB Meeting Technical Presentations and Updates Pertaining to OU-3A Sites, Including Site 11	3-3
3-2	Summary of MCAS El Toro Updates, Fact Sheets, and Proposed Plans	3-4
5-1	Summary of Shallow-Soil Analytical Results for Site 11	5-5
6-1	Site 11 – Phase II RI Baseline Risk Assessment Results and Remedial Action Recommendations.....	6-3
6-2	Site Summary: Risk Assessment Results and Recommended Actions	6-5
7-1	Summary of Risk-Based Concentrations for Analytes Identified in Shallow Soil at Site 11 Units 1 and 2	7-4
8-1	Summary of Comparative Analysis of Remedial Alternatives 1 Through 5	8-2
8-2	Alternative Cost and Schedule Comparison for Alternatives 1 Through 5	8-5
9-1	Cost Estimate for the Selected Remedy: Excavation and Off-Station Disposal of Contaminated Soil at Site 11 Units 1 and 2.....	9-2
9-2	Summary of Estimated Areas and Volumes of Contaminated Soil and Pavement	9-3
10-1	Chemical-Specific ARARs for Selected Remedy.....	10-3
10-2	Action-Specific ARARs for Selected Remedy	10-4

ACRONYMS/ABBREVIATIONS

AOC	area of concern
ARAR	applicable or relevant and appropriate requirement
BCT	BRAC Cleanup Team
bcy	bank cubic yards
bgs	below ground surface
beta-BHC	beta isomer of benzene hexachloride
BHC	benzene hexachloride
BNI	Bechtel National, Inc.
BRAC	Base Realignment and Closure
Cal-EPA	California Environmental Protection Agency
CAS	Chemical Abstract Service
CCR	<i>California Code of Regulations</i>
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	<i>Code of Federal Regulations</i>
COC	chemical of concern
COPC	chemical of potential concern
CSF	cancer slope factor
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
delta-BHC	delta isomer of benzene hexachloride
DoD	U.S. Department of Defense
DON	U.S. Department of the Navy
DQO	data quality objective
DTSC	(Cal-EPA) Department of Toxic Substances Control
FFA	Federal Facilities Agreement
FS	feasibility study
gamma-BHC	gamma isomer of benzene hexachloride
GRA	general response action
HHRA	human-health risk assessment
HI	hazard index
HQ	hazard quotient
HRA	historical radiological assessment

ACRONYMS/ABBREVIATIONS (continued)

IAS	initial assessment study
IRP	Installation Restoration Program
lcy	loose cubic yards
LDR	land disposal restriction
LNAPL	light nonaqueous-phase liquid
MCAS	Marine Corps Air Station
MCL	maximum contaminant level
µg/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
NACIP	Navy Assessment and Control of Installation Pollutants (Program)
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
O&M	operation and maintenance
OCWD	Orange County Water District
OSHA	Occupational Safety and Health Administration
OU	operable unit
PCB	polychlorinated biphenyl
PPE	personal protective equipment
RAB	Restoration Advisory Board
RACER	Remedial Action Cost Engineering and Requirements
RAO	remedial action objective
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RFA	RCRA facility assessment
RfD	reference dose
RI	remedial investigation
RME	reasonable maximum exposure
ROD	Record of Decision
RWQCB	(California) Regional Water Quality Control Board
SCAQMD	South Coast Air Quality Management District
SIPOA	Site Inspection Plan of Action
STLC	solubility threshold limit concentration
SVOC	semivolatile organic compound
SWDIV	Southwest Division Naval Facilities Engineering Command

ACRONYMS/ABBREVIATIONS (continued)

SWMU	solid waste management unit
TAL	target analyte list
TCE	trichloroethene
TCLP	toxicity characteristic leaching procedure
TTLC	total threshold limit concentration
U.S. EPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound

ACRONYMS/ABBREVIATIONS (continued)

This page left blank intentionally

Section 1**SITE NAME, LOCATION, AND DESCRIPTION**

1.1 SITE NAME

The site (Site 11) addressed in this decision document is contained in operable unit (OU)-3A, at Marine Corps Air Station (MCAS) El Toro, Orange County, California. The Navy Installation Restoration Program (IRP) site number and name follows.

- Site 11, Transformer Storage Area

1.2 SITE LOCATION

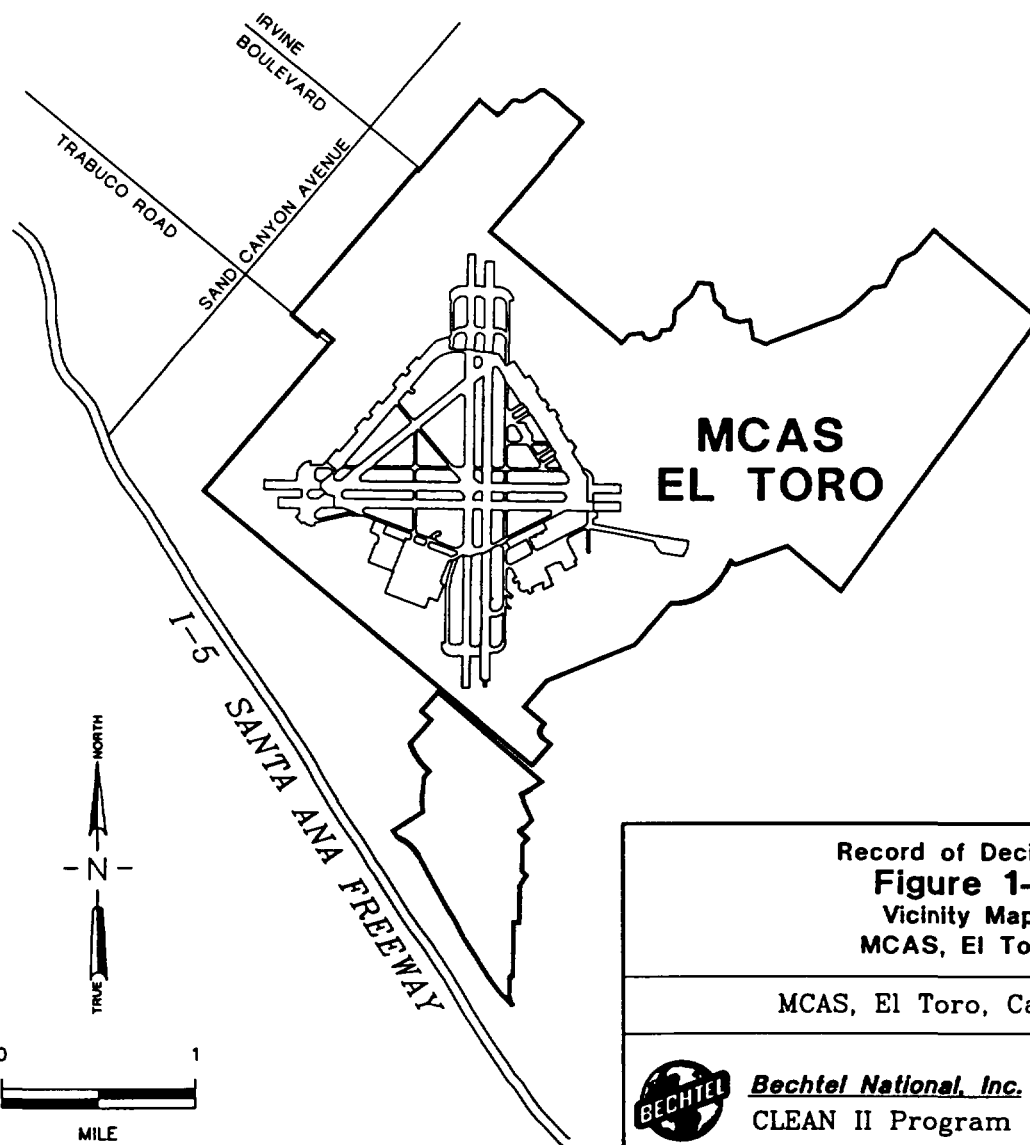
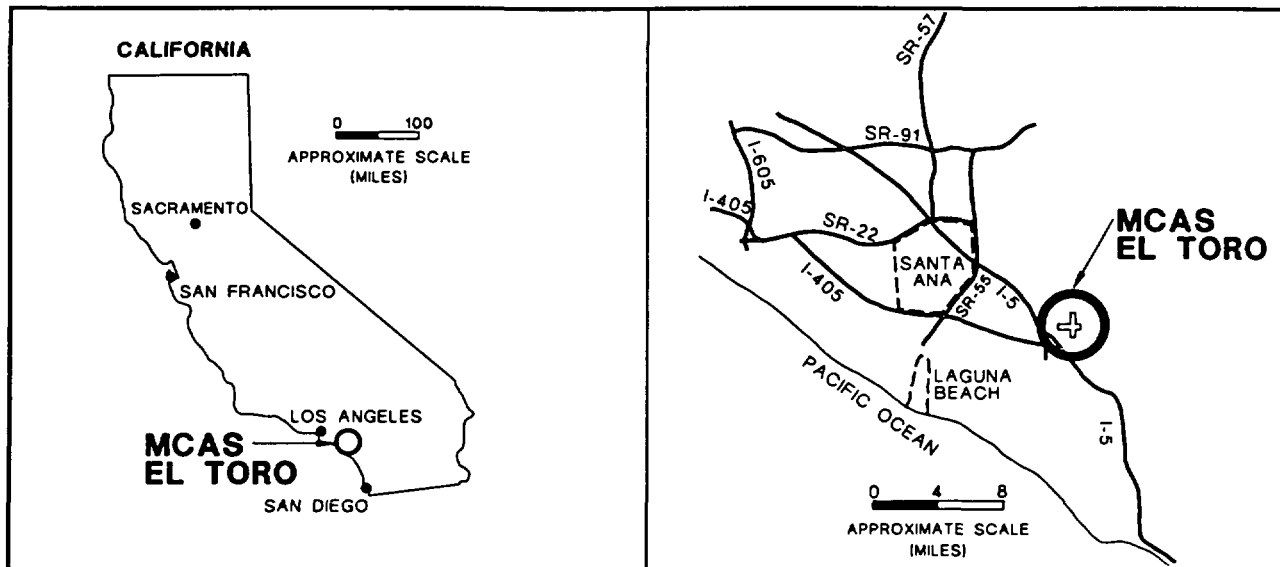
MCAS El Toro lies in a semiurban agricultural area in southern California, approximately 8 miles southeast of the city of Santa Ana and 12 miles northeast of the city of Laguna Beach (Figure 1-1). Land northwest of the Station is used for agricultural purposes. The land to the south and northeast is used mainly for commercial, light industrial, and residential purposes. Site 11 is located in the southwest quadrant of the Station, as shown in Figure 1-2.

1.3 SITE DESCRIPTION

MCAS El Toro is located on the Tustin Plain, a broad alluvial valley. The Station comprises runways, aircraft maintenance and training facilities, housing, shopping facilities, and other support facilities totaling 4,478 acres. The elevation of Site 11 is approximately 270 feet above mean sea level. The site is located near the runways and other industrialized areas of the Station (Figure 1-3). Site 11 is relatively flat. Most of the site is covered by gravel, asphalt, or concrete. The site does not contain any significant ecological habitat nor is the site adjacent to the exposed portions of any of the major drainages that direct surface runoff away from the Station. Table 1-1 contains a more complete description of Site 11.

1.4 GEOLOGY AND HYDROGEOLOGY

MCAS El Toro lies on the southeastern edge of the Tustin Plain, a gently sloping surface of alluvial fan deposits derived mainly from the Santa Ana Mountains. These Holocene materials consist of isolated coarse-grained, stream-channel deposits contained within a matrix of fine-grained overbank deposits up to 300 feet thick (Herndon and Reilly 1989). Silts and clays predominate in the central and northwestern portion of the Station. Sands are more common near the foothills. The sands are predominantly well-graded (poorly sorted), ranging from coarse to fine, and commonly contain clay lenses. Clays exhibit medium plasticity and contain sand (Jacobs Engineering 1993a).



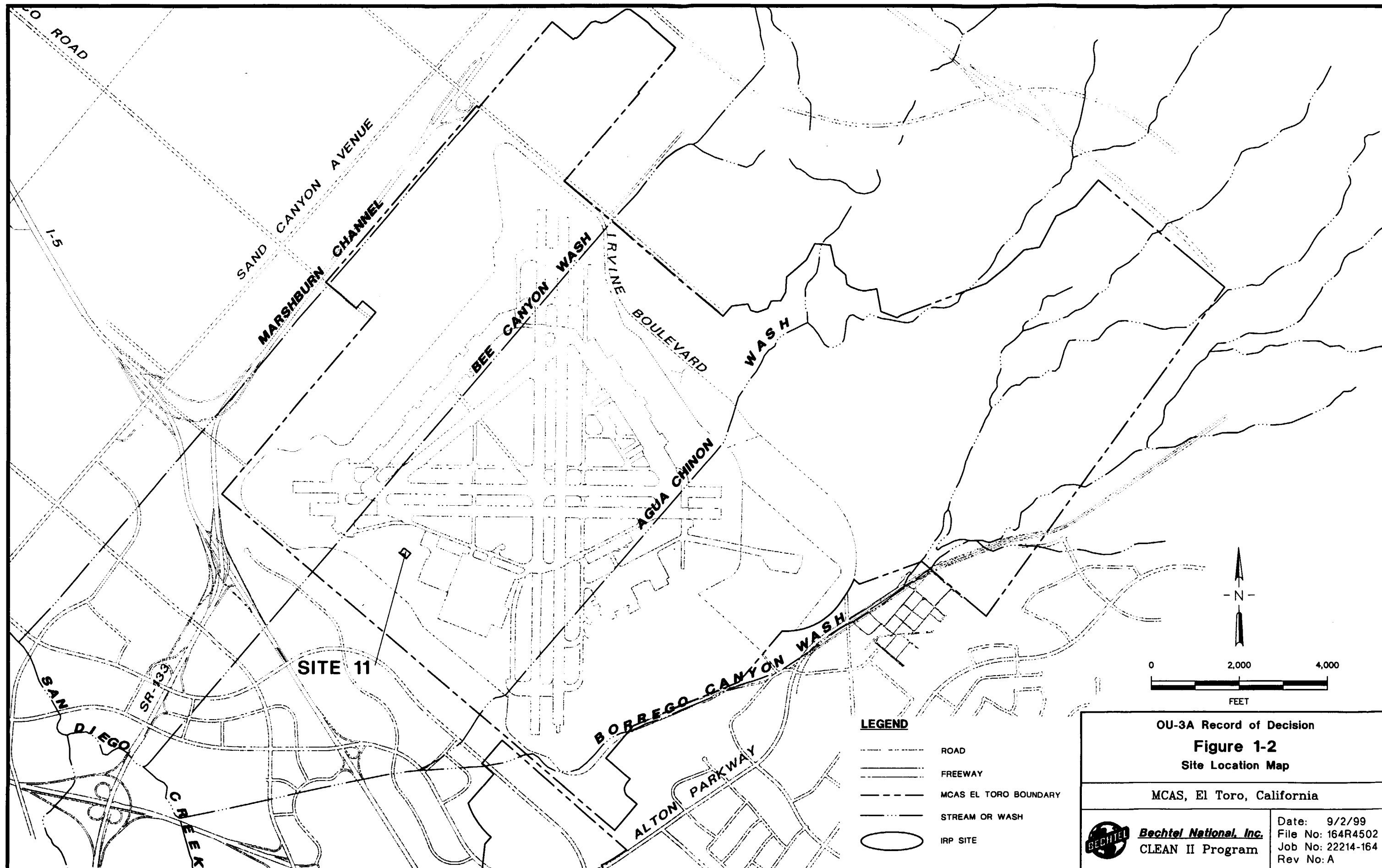
Record of Decision
Figure 1-1
Vicinity Map
MCAS, El Toro

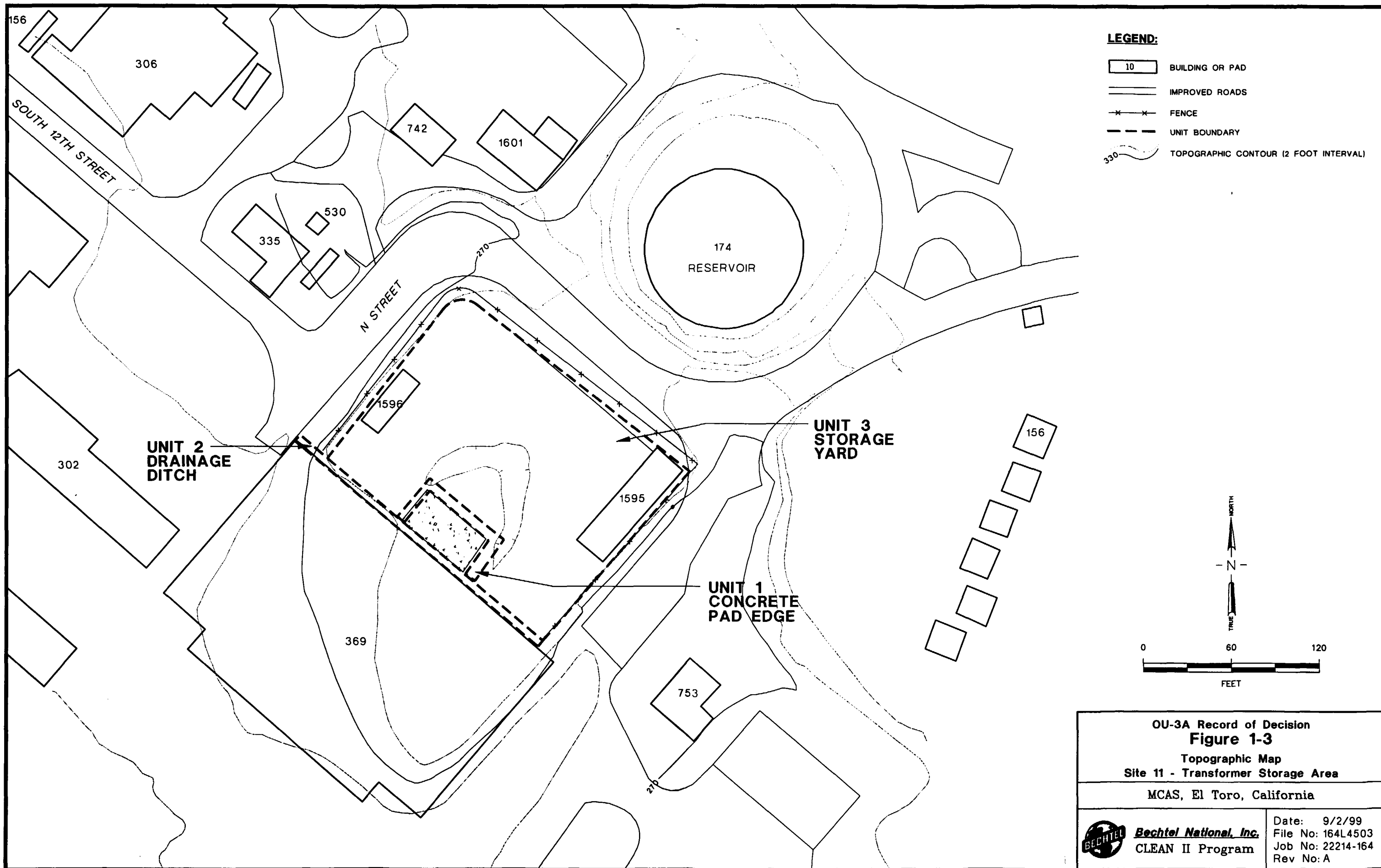
MCAS, El Toro, California



Bechtel National, Inc.
CLEAN II Program

Date: 3/3/99
File No: 164R3963
Job No: 22214-164
Rev No: A





<p align="center">OU-3A Record of Decision Figure 1-3 Topographic Map Site 11 - Transformer Storage Area MCAS, El Toro, California</p>	
<p>Bechtel National, Inc. CLEAN II Program</p>	<p>Date: 9/2/99 File No: 164L4503 Job No: 22214-164 Rev No: A</p>

Table 1-1
Site Description and Land Use

Site No.	Site Name	Approximate Site Area (square feet)	Approximate Depth to Groundwater (feet)	Site Description	Current Land Use	Proposed Future Land Use
11	Transformer Storage Area	29,500	100	Site 11 is located on the northeast side of Building 369 in the southwestern quadrant of MCAS El Toro. The site is fenced and comprises three units: Unit 1, a concrete pad (approximately 30 by 30 feet) and a 3-foot-wide strip of ground adjacent to it; Unit 2, an asphalt-lined drainage ditch parallel to the northeast side of Building 369 and extending from the loading dock at the southern boundary to N Street at the northern boundary; and Unit 3, the remainder of the fenced, unpaved storage yard behind Building 369. Site 11 was used as a maintenance and storage yard for transformers. Most of the storage yard is relatively flat and covered with gravel, concrete, or asphalt pavement. A wide, shallow depression is located in the center of the yard. Staining was evident in the depression during the Phase I RI (Jacobs Engineering 1993a).	Site 11 was formerly used for storage of equipment and scrap metal.	The primary proposed reuse for Site 11 is airport support.

Acronyms/Abbreviations:
MCAS – Marine Corps Air Station
RI – remedial investigation

Section 1 Site Name, Location, and Description

The Station lies within the Irvine Pressure Groundwater Subbasin (Irvine Subbasin), which has been designated by the California Regional Water Quality Control Board (RWQCB), Santa Ana Region, as a public water supply source (RWQCB 1995). The regional aquifer beneath MCAS El Toro is not currently a source of municipal drinking water; however, groundwater in the vicinity of the Station is used for agricultural purposes. One on-Station groundwater well that belongs to the Irvine Company, at the westernmost end of the east-west runway, is used for irrigation and is connected to the regional irrigation distribution system. Other wells pumping irrigation water are located west (three wells) and northwest (four wells) of the Station. The closest agricultural well is 18_TIC111, which is adjacent to the northwest Station boundary. To the west, the nearest well is 18_TIC047, which is located approximately 2,600 feet west of the Station boundary.

Groundwater is first encountered at approximately 100 feet below ground surface (bgs) at Site 11. Review of water-level and water-quality data for multiple-port monitoring wells and cluster wells throughout the Irvine Subbasin suggests some hydraulic separation may exist between the shallower and deeper portions of the regional groundwater aquifer. According to 1998 water levels, the direction of flow along the southwest boundary of MCAS El Toro was northwest (Figure 1-4) at a gradient of approximately 0.006 feet/foot (CDM 1998). Regional flow has been west and northwest since the 1940s and has been controlled locally by large pumping depressions. The average linear groundwater-flow velocities in the uppermost aquifer across MCAS El Toro range from 0.02 to 1.9 feet per day (JMM 1990).

1.5 SURFACE HYDROLOGY

Surface drainage near MCAS El Toro generally flows southwest, following the slope of the land and perpendicular to the trend of the Santa Ana Mountains. Several washes originate in the hills northeast of MCAS El Toro and flow through or adjacent to the Station en route to San Diego Creek. Off-Station drainage from the hills and upgradient irrigated farmlands combines with Station runoff at MCAS El Toro (generated from the extensive paved surfaces) and flows into four major drainage channels: Borrego Canyon Wash, Agua Chinon Wash, Bee Canyon Wash, and Marshburn Channel (Figure 1-4). Surface runoff from Site 11 does not flow directly into these washes.

1.6 CURRENT LAND USE

MCAS El Toro is bordered on the south and west by the city of Irvine and on the north and east by unincorporated lands. The city of Irvine controls development in surrounding areas suitable for urbanization. However, local jurisdictions do not have authority over federal lands.

MCAS El Toro encompasses about 4,738 acres. Approximately 1,000 acres are designated for outleases and are not available for development because airfield safety clearances render them unsuitable for any other use. The outleased lands are at the

corners of the Station and used for agricultural purposes, including landscape nurseries, livestock grazing, and crop production.

MCAS El Toro continued to provide materials and support for aviation activities of the United States Marine Corps until base closure in July 1999. During operations, land use of MCAS El Toro consisted of a few general types. General Station land uses are described according to the following four quadrants, as defined by the bisecting north-south and east-west runways.

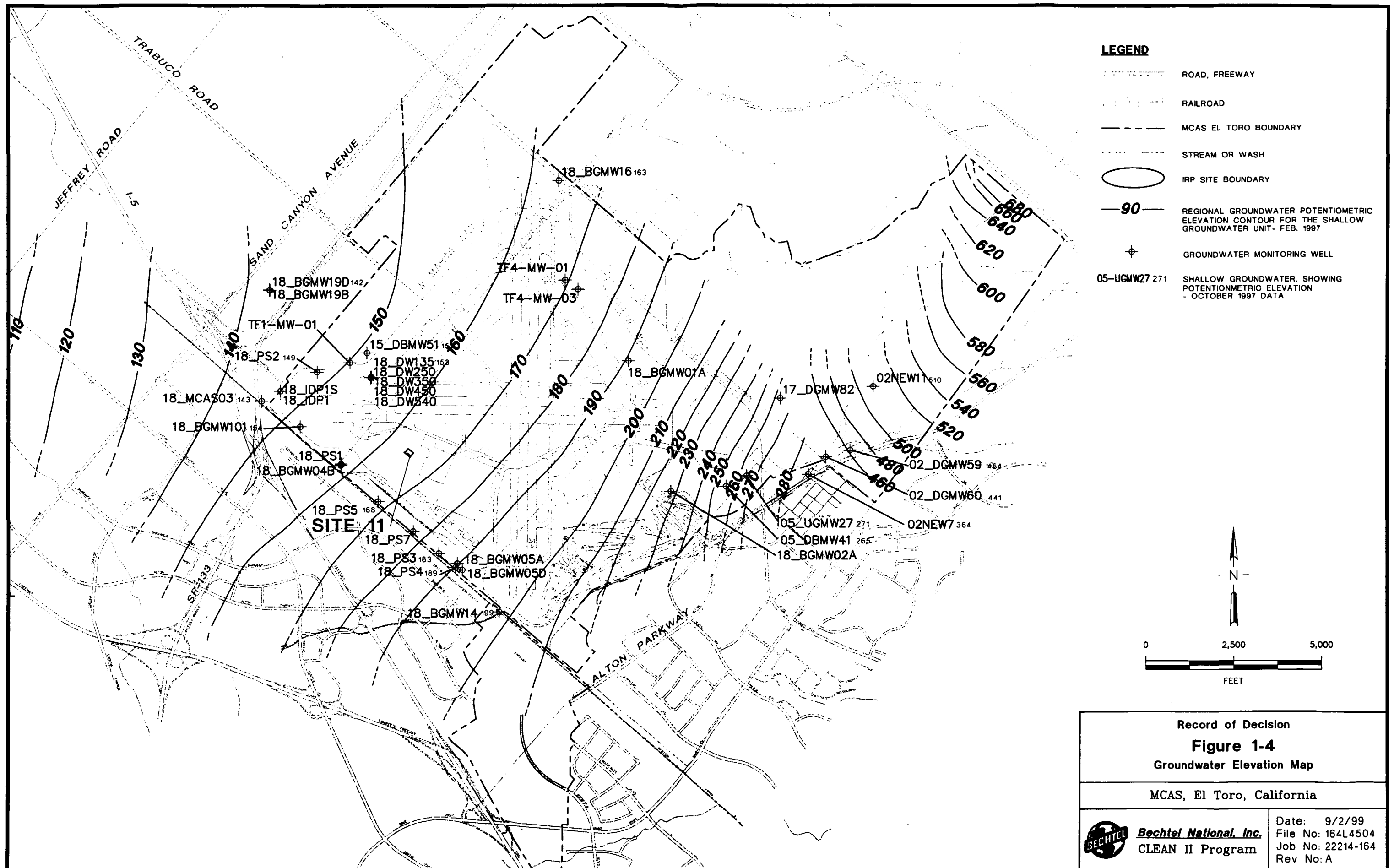
- The northwest quadrant consisted of administrative services (including the MCAS El Toro headquarters, family and bachelor housing, and community support services).
- The northeast quadrant consisted of Marine Aircraft Group activities (including training, maintenance, supply and storage, and airfield operations), family housing, community services, and ordnance storage in areas isolated by topographic relief and distance from other developments.
- The southeast quadrant consisted of administrative services, maintenance facilities, ordnance storage, and the golf course.
- The southwest quadrant consisted of aircraft maintenance facilities, supply and storage facilities, and limited administrative services.

Table 1-1 describes the preclosure land use of Site 11. Environmental compliance and restoration activities will continue after base closure and a caretaker staff will remain at the station until property transfer is complete.

Historically, land use around MCAS El Toro has been largely agricultural. However, the land to the south, southeast, and southwest has been developed over the past 10 years for commercial, light-industrial, and residential uses. Currently, expanding commercial areas are located adjacent to the Station. Additional residential areas are located to the northwest and west of the Station. Adjacent land to the northeast and northwest is used for agriculture.

1.7 FUTURE LAND USE

MCAS El Toro was closed in July 1999. A Community Reuse Plan has been prepared (MCAS Local Redevelopment Authority 1996). This plan is a conceptual, policy-level reuse plan. A more detailed master plan will be developed during the second phase of reuse planning and will identify more site-specific land uses. The preferred alternative selected in the December 1996 Community Reuse Plan was a major airport with a variety of potential future uses for MCAS El Toro property. Table 1-1 shows the proposed reuse for Site 11.



Section 2

SITE HISTORY AND ENFORCEMENT ACTIVITIES

MCAS El Toro was commissioned in March 1943 as a Marine Corps pilot fleet operation training facility. In 1950, the Station was selected for development as a master jet station and permanent center for Marine Corps aviation on the west coast. The Station mission has involved the operation and maintenance of military aircraft and ground-support equipment. These activities generated oils, solvents, paint residues, hydraulic fluid, used batteries, and other wastes (MCAS El Toro 1991). Wastes were placed in unlined on-Station landfills and burned or covered with soil. In some cases, wastes were released to the ground directly as the result of spills or dust-suppression activities.

Environmental remediation activities at MCAS El Toro are performed under the IRP. The IRP was developed in 1980 by the United States Department of Defense (DoD) to comply with federal guidelines to manage and control past hazardous waste disposal actions (DON 1997). The first indication of contamination at the Station occurred during routine water-quality monitoring in 1985, when the Orange County Water District discovered TCE in groundwater at an irrigation well located approximately 3,000 feet downgradient of MCAS El Toro.

In 1985, the Department of the Navy (DON) began to work on an initial assessment study (IAS) to locate potentially contaminated sites on the Station. This work was conducted for the Naval Facilities Engineering Command under the Navy Assessment and Control of Installation Pollutants (NACIP) Program, which was the Navy version of the DoD IRP at that time. The IAS Report identified 17 sites as potential sources of contamination (Brown and Caldwell 1986). The identification of potentially contaminated sites was based on the results of record searches and employee interviews. The report recommended sampling locations and analytical parameters to confirm the suspected contamination at the sites.

In 1987, the Marine Corps contracted a review of the IAS to produce a Site Inspection Plan of Action (SIPOA) (JMM 1988). In July 1987, while the SIPOA study was under way, RWQCB Santa Ana Region issued a cleanup and abatement order to the Marine Corps. This order required the Station to initiate a perimeter groundwater volatile organic compound (VOC) investigation and submit a draft report. The SIPOA released in August 1988 recommended 19 sites for study and amended the site sampling plans proposed in the IAS report. The SIPOA Report served as the basis for the Sampling and Analysis Plan for the remedial investigation (RI)/feasibility study (FS) sites.

In June 1988, the United States Environmental Protection Agency (U.S. EPA) recommended adding MCAS El Toro to the National Priorities List (NPL) of the Superfund Program sites due to VOC contamination at the Station boundary and in the agricultural wells west of the Station. MCAS El Toro was added to the NPL on 15 February 1990. In October 1990, the Marine Corps/DON signed a Federal Facilities Agreement (FFA) with U.S. EPA Region IX, California Department of Health Services (now referred to as the California Environmental Protection Agency [Cal-EPA] Department of Toxic Substances Control [DTSC]), and RWQCB Santa Ana Region (FFA 1990). The FFA is a cooperative agreement that:

Section 2 Site History and Enforcement Activities

- assures environmental impacts are investigated and appropriate response actions are taken to protect human health and the environment;
- establishes a procedural framework and schedule for developing, implementing, and monitoring appropriate response actions;
- facilitates cooperation, exchange of information, and participation of the parties; and
- assures adequate assessment, prompt notification, and coordination between federal and state agencies.

The Base Realignment and Closure (BRAC) Cleanup Team (BCT) is responsible for implementing the FFA. The BCT consists of representatives from the DON Southwest Division Naval Facilities Engineering Command (SWDIV), U.S. EPA, DTSC, and RWQCB Santa Ana Region. The team was established to manage and coordinate environmental restoration and compliance programs related to the closure and disposal of MCAS El Toro by July 1999. In addition, the MCAS El Toro BCT has specified in its mission and vision statements that:

- fast-track remediation of sites is necessary to expedite reuse and
- restoration and reuse is to be maximized by 1999.

In December 1989, the DON began to prepare a Phase I RI Work Plan and associated documents for MCAS El Toro. The DON reviewed the available reports and other documents pertinent to past disposal practices at the Station and concluded that 22 sites would be investigated (Jacobs Engineering 1993a). These sites were grouped into three OUs. OU-1 comprised the regional VOC groundwater investigation (Site 18), which was conducted both on and off the Station. OU-2 included the four landfill sites (Sites 2, 3, 5, and 17) considered to be potential source areas for the regional groundwater VOC contamination and Site 10, the petroleum disposal area (this site was later moved to OU-3). The remaining 16 sites were grouped together as OU-3. These sites were considered to be potential sources for a variety of contaminants. The principal objectives of the Phase I RI were to evaluate the source(s) of contamination in regional groundwater west of the Station and determine whether contamination exists and is affecting human health and the environment at sites in OU-2 and OU-3.

The results of the Phase I RI were documented in a draft Technical Memorandum issued in July 1993 (Jacobs Engineering 1993a), a draft RI Report for OU-1 issued in July 1994 (Jacobs Engineering 1994a), a draft Soil Gas Technical Memorandum issued in October 1994 (Jacobs Engineering 1994b), and a draft final RI/FS report for OU-1 issued in August 1996 (Jacobs Engineering 1996). A variety of contaminants in the groundwater, soil, surface water, and sediment at MCAS El Toro was identified during the Phase I RI. Contaminants in the soil and sediment consisted primarily of low concentrations of semivolatile organic compounds (SVOCs), petroleum hydrocarbons, pesticides, herbicides, and polychlorinated biphenyl (PCBs) (Jacobs Engineering 1993a). It was also concluded during the Phase I RI that the source of regional groundwater contamination is in the southwest quadrant of the Station, but no specific sources were identified. The sampling events yielded sufficient information to warrant conducting a preliminary risk assessment of contaminants at the sites for both groundwater and soil contamination. The results of the Phase I RI provided the primary data for the Phase II RI/FS.

Section 2 Site History and Enforcement Activities

In March 1993, MCAS El Toro was placed on the Base Closure and Realignment Act III list of military facilities considered for closure. Under the terms of the FFA, Station closure would not affect the DON's obligation to conduct the RI/FS and to comply with the other requirements of the FFA (FFA 1990, Section 37, Base Closure).

Concurrent with the Phase I RI, the Navy conducted a Resource Conservation and Recovery Act (RCRA) facilities assessment (RFA) at MCAS El Toro. The purpose of the RFA was to evaluate whether an additional 140 sites at MCAS El Toro would require further investigation under the Phase II RI/FS program. The final RFA Report was submitted in July 1993 (Jacobs Engineering 1993b). Based on an evaluation of the sampling visit results, 25 solid waste management units/areas of concern were recommended for further action. Site 23 (Wastewater Treatment Plant Sewer Lines) was evaluated in the RFA and recommended for no further action. The sewer lines are located within Site 24, which was added to the Phase II scope.

Interviews with active and retired personnel from the Fuel Operations Division and Facility Management Department (currently the Installations Department) were conducted in July 1994 at MCAS El Toro (Jacobs Engineering 1994c). The objectives of the interviews were to supplement and confirm information obtained from past interviews and field investigations, to obtain a better understanding of current and historical operations at MCAS El Toro, and to identify new areas of potential environmental concern at MCAS El Toro. Those interviewed had knowledge of operations and procedures for storage and disposal of hazardous materials and waste. The interview panel consisted of regulatory agency personnel, DON and MCAS El Toro personnel, and contractor personnel.

The subjects covered during the interviews included underground storage tanks (USTs), aboveground storage tanks, IRP sites, tank farms, disposal procedures, disposal areas, and accidental or unintentional spills or leaks that may have occurred. Much of the information gathered from previous interviews and field investigations was confirmed. The interview panel discussed the types of wastes deposited in each of the landfills, the depth and the boundaries of the landfills, and how the wastes were handled. Other subjects discussed included the types of operations that occurred on the Station and the types of chemicals used in these operations.

In July 1995, a final Work Plan for the Phase II RI/FS was issued (BNI 1995). This Work Plan presented an approach to conducting the Phase II RI at 24 sites, including two new sites, Sites 24 and 25. The objectives of the plan were to present a sampling strategy to establish confidence that inferences made from the data are correct and, ultimately, collect sufficient information to support risk management decisions. The Phase II RI was conducted in 1995 and 1996. For this investigation, OU-3 was divided into two parts: OU-3A, comprising Sites 4, 6, 8 through 13, 15, 19, 20, 21, and 22, and OU-3B, comprising Sites 7, 14, and 16. During the same time period as the Phase II RI, the DON evaluated background concentrations of metals in soils and reference levels for pesticides and herbicides in soils (BNI 1996a). This enabled site-specific analytical results of soil sampling to be compared with background and reference levels during the RI to identify potential releases. Subsequent to the Phase II RI, an evaluation of metals in groundwater was performed (BNI 1998a Appendix F). The purpose of this evaluation was to determine

Section 2 Site History and Enforcement Activities

whether the reported concentrations of metals in groundwater at MCAS El Toro reflect ambient conditions or are the result of anthropogenic sources associated with historical Station activities.

From 1996 through 1997, the draft final RI and FS (if remedial action was necessary) Reports were issued for the sites contained within the three OUs. These reports summarized the RIs conducted at each site and identified, analyzed, and compared remedial alternatives to address contamination at the sites.

From 1998 through 1999, the DON conducted a historical radiological assessment (HRA) of MCAS El Toro. The assessment was performed as part of the base closure process for the release of the Station for reuse. A draft HRA report summarizing the results of the assessment was issued in May 1999 (SSPORTS 1999). Site 11 was not recommended for further radiological investigation.

Table 2-1 summarizes the enforcement activities and environmental investigations conducted at MCAS El Toro.

Section 2 Site History and Enforcement Activities

Table 2-1
Summary of Environmental Investigations at MCAS^a El Toro

Date	Investigation/Activity	Objective	Summary of Findings
1985	IAS ^b	Locate potentially contaminated sites at MCAS El Toro using record searches and employee interviews.	Identified 17 sites as potential sources of contamination. Recommended sampling locations and analytical parameters to confirm the suspected contamination at the 17 sites.
1986	OCWD ^c groundwater investigation	Investigate source of TCE ^d found in agricultural well west of MCAS El Toro.	After installing monitoring wells and soil vapor probes and reviewing independent investigations, OCWD concluded that MCAS El Toro was the source of groundwater contamination detected in downgradient from the Station.
1988	Site Inspection Plan of Action	Review IAS findings.	Recommended 19 sites for investigation and amended the site sampling plans proposed in the IAS Report. This included one site (Site 18) intended to address the off-Station contaminant plume of VOCs ^e .
1988	Perimeter study investigation	Address the RWQCB ^f Santa Ana Region cleanup and abatement order to investigate the source of regional VOC groundwater contamination.	Detected the presence of VOCs in shallow groundwater near the southwestern boundary of Station.
1989	Interim pump and treat system	Pump and treat VOC-contaminated groundwater from three extraction wells near Station boundary.	Groundwater was extracted at a combined rate of 30 gallons per minute from three wells and treated with granular activated carbon. TCE ^g and PCE ^h were reported in extracted groundwater at concentrations from 10 to 160 and 25 to 100 parts per billion, respectively.
1989	Phase I RI ⁱ Work Plan and associated documents for MCAS El Toro	Develop Work Plan, Field Sampling Plan, and other RI documents to direct the Phase I RI fieldwork.	Navy concluded that 22 sites would be investigated and grouped into three OUs ^j .
1990	Superfund NPL ^k	Identify sites with imminent risks to the public.	MCAS El Toro was added to the NPL due to VOC contamination at the Station boundary and in agricultural wells west of the Station boundary.

(table continues)

Section 2 Site History and Enforcement Activities

Table 2-1 (continued)

Date	Investigation/Activity	Objective	Summary of Findings
1993	Base Closure and Realignment Act	Identify sites for closure.	MCAS El Toro was placed on the BRAC ¹ III list. Under the terms of the FFA ^m , Station closure would not affect the DON's obligation to conduct the RI/FS ⁿ and comply with other requirements of the FFA.
1993	Phase I RI	The draft Technical Memorandum and draft OU-1 RI Report document the results of the Phase I RI. The principal objectives of the Phase I RI were to make an initial determination regarding the existence and risks of contamination at sites in OU-1, OU-2, and OU-3.	Various contaminants in the groundwater, soil, surface water, and sediment were detected at MCAS El Toro. Soil and sediment contaminants were primarily SVOCs ^o , petroleum hydrocarbons, pesticides, herbicides, and PCBs ^p . The Phase I RI concluded that the source of contamination for regional groundwater was the southwest quadrant of the Station but did not indicate specific sources. A preliminary risk assessment was conducted for contaminants at the sites in both groundwater and soil.
1993	RCRA ^q facility assessment	Evaluate whether an additional 140 sites at MCAS El Toro would require further investigation under the Phase II RI/FS.	Based on the RCRA facility assessment results, SWMUs/AOCs ^r were recommended for further action. This action included additional subsurface investigation or other activities such as inspection of underground storage tanks, repair of cracks in concrete-paved areas, and excavation of contaminated soil. Of these 25 SWMUs/AOCs, 2 were recommended for further action under the Phase II RI/FS program. Site 23 was investigated and recommended for no further action.
1994	Final Phase I soil gas survey	Identify potential VOC sources within Sites 24 and 25.	The soil gas survey investigated soil conditions (generally 12 to 20 feet below ground surface). Elevated concentrations of VOCs were detected beneath the aircraft maintenance hangars (Buildings 296 and 297). TCE was the dominant compound detected. Other VOCs detected included PCE, 1,1-dichloroethene, Freon 113, carbon tetrachloride, and chloroform.

(table continues)

Section 2 Site History and Enforcement Activities

Table 2-1 (continued)

Date	Investigation/Activity	Objective	Summary of Findings
1994	Interviews with active and retired personnel	Supplement and confirm information from past investigations and interviews, obtain a better understanding of current and historical operations, and identify new areas of potential environmental concern.	The interview panel provided information about types of Station operations and types of chemicals used in these operations.
1995	Final Work Plan for Phase II RI/FS and associated documents	Present approach for Phase II RI at 24 sites using the U.S. EPA's DQO ¹ process. Establish background concentrations of metals in soils and groundwater. Establish process to collect sufficient information to support decisions on risk management.	Established DQO process for conducting RI/FS. Two new sites, Site 24 and Site 25, were established for investigation in Phase II.
1996	Evaluation of background concentrations and reference levels in soil	Calculate background concentrations for metals in soil and reference levels for herbicides and pesticides in soil at MCAS El Toro.	Background concentrations for metals and reference levels for herbicides are compared with site-specific analytical results in the RI to identify potential releases.
1996	Interim-action RI/FS for groundwater contamination designated as OU-1	Characterize groundwater contamination and evaluate potential actions to remediate VOC-contaminated groundwater in the principal aquifer.	Several alternatives for potential action were presented. Decision on the most appropriate alternative expected to be made in 1999.
1996	RI for vadose zone and groundwater contamination at Site 24	Determine the nature and extent of VOC contamination at Site 24 and evaluate the human-health risk due to this contamination.	Soil and groundwater were investigated. The RI linked the groundwater hot spot identified during the Phase II RI with high concentrations of TCE in the vadose zone beneath Buildings 296 and 297.
1996	FS for vadose zone contamination at Site 24	Evaluate potential actions to remediate the VOC-contaminated soils at Site 24.	SVE ² is presented as the presumptive remedy most appropriate for remediation of contaminated soils.

(table continues)

Section 2 Site History and Enforcement Activities

Table 2-1 (continued)

Date	Investigation/Activity	Objective	Summary of Findings
1997	RI for OU-3A and Site 25	Determine the nature and extent of contamination at Sites 4, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 21, 22, and 25 and evaluate the human-health risk due to this contamination.	Contamination at Sites 4, 6, 9, 10, 13, 15, 19, 20, 21, and 22 is limited to shallow soils. Contamination at Site 25 is limited to sediment and surface water. In all cases, risks to human health are within the range generally considered acceptable by U.S. EPA. Recommendation for no action was made to the BCT ^v and was approved. Remedial action was recommended for Site 16 and portions of Sites 8, 11, and 12.
1997	RI for landfill sites	Determine the nature and extent of contamination at Sites 2, 3, 5, and 17 and evaluate the human-health risk due to this contamination.	Air, soil, and groundwater were investigated. Risks at each site driven by soil contamination. VOCs are present in groundwater at concentrations above MCLs ^w at Site 2. Landfill gas controls are not necessary; no principal threat wastes were found in soil gas.
1997	FS for landfill sites	Evaluate potential actions to remediate the landfills and allow site closure.	Capping, institutional controls, and monitoring are presented as the presumptive remedies most appropriate for remediation of the landfills. Low levels of VOC contamination at Site 2 will be remediated by monitored natural attenuation.
1997	FS for groundwater at Site 24	Evaluate potential actions to remediate VOC-contaminated groundwater at Site 24.	A range of remedial alternatives has been prepared. The preferred alternative is expected to be presented for public comment in 1999.
1997	Interim ROD for Site 24 vadose zone	Select interim remedial alternative for soil at Site 24.	SVE was selected as the remedial alternative for soil at Site 24.
1997	ROD for OU-2A and OU-3A No Action Sites	Select remedial alternative for selected OU-2A and OU-3A sites.	No action was selected for Sites 4, 6, 9, 10, 13, 15, 19, 20, 21, 22, and 25.
1998	FS for OU-3A Sites 8, 11, and 12	Evaluate potential alternatives and provide adequate information for decision makers to select an appropriate remedy for soil contamination at Sites 8, 11, and 12.	A range of alternatives was provided. This ROD ^x selects the appropriate remedy for Site 11.

(table continues)

Section 2 Site History and Enforcement Activities

Table 2-1 (continued)

Date	Investigation/Activity	Objective	Summary of Findings
1998	Evaluation of metals in groundwater at MCAS El Toro	Evaluate whether reported concentrations of metals in groundwater at MCAS El Toro reflect ambient conditions the result from anthropogenic sources associated with historical Station operations.	Groundwater beneath and downgradient of the Station does not appear to have been contaminated by metals wastes generated or disposed by Marine Corps. Although the concentrations of some metals at specific sites exceed MCLs, such conditions are characteristic of basinwide groundwater quality conditions.
1999	Historical radiological assessment for MCAS El Toro	Evaluate historical use, storage, and disposal of radiological materials at MCAS El Toro and recommend follow-on investigations of potentially impacted areas.	No follow-on action is necessary at Site 11. Follow-on radiological surveys were recommended at Sites 3, 5, 8, and 12 to evaluate the potential for disposal of radioactive materials such as aircraft gauges at these sites.

Notes:

- MCAS – Marine Corps Air Station
- IAS – Initial Assessment Study
- OCWD – Orange County Water District
- TCE – trichloroethene
- VOC – volatile organic compound
- RWQCB – (California)Regional Water Quality Control Board
- TCE – trichloroethene
- PCE – tetrachloroethene
- RI – remedial investigation
- OU – operable unit
- NPL – National Priorities List
- BRAC – Base Realignment and Closure
- FFA – Federal Facilities Agreement
- FS – feasibility study
- SVOC – semivolatile organic compound
- PCB – polychlorinated biphenyl
- RCRA – Resource Conservation and Recovery Act
- SWMU/AOC – solid waste management unit/area of concern
- U.S. EPA – United States Environmental Protection Agency
- DQO – data quality objective
- SVE – soil vapor extraction
- BCT – BRAC Cleanup Team
- MCL – maximum contaminant level
- ROD – Record of Decision

Section 2 Site History and Enforcement Activities

This page left blank intentionally

Section 3

HIGHLIGHTS OF COMMUNITY PARTICIPATION

Twenty-four IRP sites have been investigated at MCAS El Toro. A Community Relations Plan (BNI 1996b) was developed to document concerns identified during community interviews and to provide a detailed description of the community relations activities planned in response to information received from the community. The initial plan was prepared in 1991 and revised in 1993 and 1996. The revisions incorporated the most recent assessment of community issues, concerns, and information needs related to the ongoing environmental investigation and remediation program at MCAS El Toro.

The community relations program includes specific activities for obtaining community input and keeping the community informed. These activities include conducting interviews, holding public meetings, issuing fact sheets to provide updates on current remediation activities, maintaining an information repository where the public can access technical documents and program information, disseminating information to the local and regional media, and making presentations to local groups.

Community members and local governmental agencies have also participated in planning the reuse of MCAS El Toro through development of the Community Reuse Plan.

3.1 RESTORATION ADVISORY BOARD

In 1994, individuals from local communities began to play an increasingly significant role in the environmental restoration process with the establishment of the Restoration Advisory Board (RAB). Original membership in the board, which was solicited by the Marine Corps/Navy through paid newspaper notices, exceeded 50 business and homeowner representatives, interested residents, local elected officials, and regulatory agency staff.

Currently, the RAB is composed of 28 members. Twelve RAB members are community members or private citizens. The remaining 16 RAB members are representatives from various government agencies. RAB meetings occur every 2 months, are open to the public, and include interested representatives from the Marine Corps/Navy, city and county offices, and regulatory agencies. Meetings are held from 6:30 to 9:00 p.m. at the city of Irvine City Hall, Conference and Training Center. Several board members from the RAB have taken information from the regular meetings back to the groups they represent, thus contributing to an increased awareness of the IRP process. In addition, members of the public can contact RAB members to obtain information or express concerns to be discussed at subsequent RAB meetings.

Copies of the RAB meeting minutes are available at the MCAS El Toro Information Repository, located at the Heritage Park Regional Library in Irvine, California. RAB meeting minutes are also located on the Navy's SWDIV Environmental Web Page, which can be found at the following Internet address:

<http://www.efds.w.navy.mil/pages/Envrnmntl.htm>

The OU-3A sites have been a key topic at numerous RAB meetings. Table 3-1 shows topics covered at 18 RAB meetings from 30 March 1995 to 21 April 1999.

3.2 PUBLIC MAILINGS

Public mailings, including information updates, fact sheets, and proposed plans, have been used to ensure an even broader dissemination of information within the local community. The first information update announcing the IRP process at MCAS El Toro was delivered in November 1991 to residents surrounding MCAS El Toro and mailed to city, state, and federal officials; agencies; local groups; and individuals identified in the Community Relations Plan. Subsequent updates and fact sheets were mailed to the community as significant remediation milestones were met (Table 3-2). These publications included information concerning the status of site investigations, the upcoming remedy selection process, ways the public can participate in the investigation and remediation of MCAS El Toro, and the availability of the MCAS El Toro Administrative Record.

Proposed plans summarize of remedial alternatives proposed for a site or group of sites. The plan describes each alternative, evaluates each alternative against nine criteria, and identifies the preferred alternative. This document is issued to the public just prior to the beginning of a public comment period to provide information and solicit public input on the remedial options that underwent detailed evaluation. Once the public comment period closes, the comments are compiled, reviewed by the BCT, and used to refine the remedial action. The final decision and response to comments (known as a "responsiveness summary") are presented in the ROD.

The updates, fact sheets, and proposed plans are currently mailed to approximately 1,200 households, businesses, public officials, and agencies to reach as many community members as possible.

3.3 COMMUNITY PARTICIPATION FOR SITE 11

The draft final RI and FS Reports and the Proposed Plan for OU-3A Sites 8, 11, and 12 were released to the public in May 1999. These documents were made available to the public at the information repository maintained at the Heritage Park Regional Library in Irvine, California. The notice of availability for these documents was published in the *Orange County Register* and the *Los Angeles Times (Orange County Edition)* on 06 May 1999. The notices also announced the availability of the Administrative Record file for review. Complete Administrative Record files are available at SWDIV in San Diego and at MCAS El Toro. A partial record file is available for review at the information repository. The information repository also contains a complete index of the Administrative Record file along with information about how to access the complete file at the Station. The Proposed Plan was also distributed to the MCAS El Toro project mailing list.

Section 3 Highlights of Community Participation

Table 3-1
RAB^a Meeting Technical Presentations and Updates
Pertaining to OU-3A^b Sites, Including Site 11

Date	Topic
30 March 1995	A general presentation was made on removal actions, the early action process for site remediation. Six OU-3A sites were recommended for early action using an engineering evaluation/cost analysis (EE/CA) process.
25 May 1995	RAB subcommittee review of draft Work Plan for OU-3A Phase II RI ^c .
31 August 1995	RAB subcommittee review of draft EE/CA reports. Regulatory agency comments (U.S. EPA ^d and DTSC ^e) were also presented along with handouts.
26 October 1995	Brief update on the preparation of draft final EE/CAs for six OU-3A sites.
30 November 1995	Brief update on OU-3A field mobilization activities.
31 January 1996	Technical presentation on the Phase II RI activities under way for OU-3A sites.
04 December 1996	Technical presentation and update on the draft RI Report for OU-3A sites. Topics of the presentation included: report structure and organization, site investigations, contaminant fate and transport, risk assessment, conclusions and recommendations, and the next steps in the process. The draft RI Report Executive Summary was provided as a handout.
26 March 1997	Update on FFA ^f schedule, including the schedule for OU-3A Sites 8, 11, and 12.
28 May 1997	Presentation of regulatory agency comments (U.S. EPA and DTSC) on the draft final RI Report for OU-3A sites.
06 August 1997	Presentation and discussion of all OU-3 sites, including OU-3A No Action (Sites 4, 6, 9, 10, 13, 15, 19, 20, 21, and 22); OU-3A Further Action Planned (Sites 8, 11, and 12); and OU-3A Further Action Being Considered (Sites 1, 7, 14, and 16) sites. The presentation focused on the risk assessment, a key component of the RI/FS ^g investigation process.
24 September 1997	Update on regulatory agency comments (U.S. EPA and DTSC) on draft FS for OU-3A Sites 8, 11, and 12. Both agencies indicated comments were complete. Written comments from the agencies were provided as handouts.
03 December 1997	Brief presentation and discussion of the OU-3A draft FS for Sites 8, 11, and 12. The draft FS Report was submitted for regulatory agency review during the summer of 1997.
28 January 1998	Update on the FFA schedule, including an update on the schedule for the draft final FS for Sites 8, 11, and 12. This report was undergoing regulatory review at the time of the meeting.
25 March 1998	Discussion of the DON's ^h response to regulatory agency comments on draft final FS for OU-3A Sites 8, 11, and 12. Agency comments were provided as handouts.
24 June 1998	The FFA schedule for OU-3A Sites 8, 11, and 12 was extended by 6 weeks to allow time to address U.S. EPA's comments on the draft final FS report.
30 September 1998	Presentation of regulatory agency (U.S. EPA and DTSC) comments on the draft Proposed Plan for OU-3A Sites 8, 11, and 12.
27 January 1999	The FFA schedule for submitting the draft final Proposed Plan for Sites 8, 11, and 12 was extended by 3 weeks to allow BCT ⁱ to review back up material supporting potential changes to the Proposed Plan.

(table continues)

Section 3 Highlights of Community Participation

Table 3-1 (continued)

Date	Topic
21 April 1999	Discussed upcoming Proposed Plan and public comment period for Sites 8, 11, 12. Reviewed risk drivers at units recommended for further action.

Notes:

- ^a RAB – Restoration Advisory Board
- ^b OU – operable unit
- ^c RI – remedial investigation
- ^d U.S. EPA – United States Environmental Protection Agency
- ^e DTSC – (California-Environmental Protection Agency) Department of Toxic Substances Control
- ^f FFA – Federal Facilities Agreement
- ^g FS – feasibility study
- ^h DON – Department of the Navy
- ⁱ BCT – Base Realignment and Closure (BRAC) Cleanup Team

Table 3-2
Summary of MCAS^a El Toro Updates, Fact Sheets, and Proposed Plans

Fact Sheet Number	Date	Summary of Contents
—	11/91	Information Update/IRP ^b Process
—	12/92	Information Update
1	12/93	Phase II RI ^c Results
2	12/93	RAB ^d Formation
3	07/95	Information Update/Tank 398
4	10/95	Information Update/Engineering Evaluation/Cost Analysis
5	11/95	MCAS El Toro Building 673-T3 Certification for Closure
6	04/96	Looking Back–Moving Forward Update on IRP Progress
7	12/96	Groundwater Remediation OU ^e -1 and OU-2A
—	04/97	Proposed Plan for Site 24 Vadose Zone
—	06/97	Proposed Plan for No Action Sites
—	05/98	Proposed Plan for Landfill Sites 2, 3, 5, and 17
8	02/99	SVE ^f Design
—	05/99	Proposed Plan for OU-3A Sites 8, 11, and 12

Notes:

- ^a MCAS – Marine Corps Air Station
- ^b IRP – Installation Restoration Program
- ^c RI – remedial investigation
- ^d RAB – Restoration Advisory Board
- ^e OU – operable unit
- ^f SVE – soil vapor extraction

Section 3 Highlights of Community Participation

A public comment period for the Proposed Plan for Sites 8, 11, and 12 was held from 08 May 1999 to 07 June 1999. In addition, a public meeting was held on 26 May 1999. This meeting was announced in the *Orange County Register* and *Los Angeles Times (Orange County Edition)* approximately 1 week prior to the meeting. Media alerts issued by the BRAC Public Affairs Officer were also used to notify reporters that the public was invited to the meeting and to encourage the reporters to attend and publicize the event. The BRAC Public Affairs Officer met with reporters to brief them on the Proposed Plan. At the public meeting, representatives from the DON, MCAS El Toro, and environmental regulatory agencies answered questions about site conditions and the remedial alternatives under consideration. A public recorder recorded public comments. Responses to the comments received during this period are included in the Responsiveness Summary, which is part of this ROD.

Subsequent to the issuance of the Proposed Plan and draft ROD for Sites 8, 11, and 12, the DON performed an HRA of MCAS El Toro. This assessment recommended that radiological surveys be performed at Sites 8 and 12. To allow time to survey these sites and evaluate the results, the DON has removed Sites 8 and 12 from this draft final ROD, which now addresses only Site 11. Sites 8 and 12 will be addressed in a future ROD. These changes are discussed further in Section 11, Documentation of Significant Changes.

Section 3 Highlights of Community Participation

This page left blank intentionally

Section 4

SCOPE AND ROLE OF OPERABLE UNIT

Twenty-five IRP sites have been investigated at MCAS El Toro. These sites are divided into three OUs. OU-1 encompasses Site 18 (Regional Groundwater). OU-2 is subdivided into OUs-2A, -2B, and -2C.

OU-2A encompasses Sites 24 (VOC Source Area) and 25 (Major Drainages). OU-2A was defined to address the source of regional groundwater contamination. Site 25 was included in this OU because it was not known whether the major drainages at MCAS El Toro were acting as a source of the VOC contamination found in the shallow groundwater unit beneath the Station and in the principal aquifer off-Station. The Phase II RI for Site 25 showed that this site is not a source of regional groundwater contamination, and the site was recommended for no action.

Previous RODs addressed Sites 24 (vadose zone) and 25. A separate ROD will address Sites 18 and 24.

OU-2B encompasses Sites 2 and 17. OU-2C encompasses Sites 3 and 5. Sites 2, 3, 5, and 17 are generally referred to as the landfill sites. OUs-2B and -2C are being addressed in two separate RODs.

OU-3 comprises the remaining 17 IRP sites at MCAS El Toro that focus on potential surface-soil contamination. Ten of these sites (Sites 4, 6, 9, 10, 13, 15, 19, 20, 21, and 22) were investigated, found to contain no unacceptable risks to human health or the environment, and recommended for no action. A previous ROD addressed these sites along with Site 25. This ROD addresses Site 11. OU-3B Sites 1, 7, 8, 12, 14, and 16 are being evaluated and will be addressed at a later time.

Site 23 was evaluated in an RFA under the FFA and, as a result, was eliminated as an environmental concern.

This page left blank intentionally

Section 5

SUMMARY OF SITE CHARACTERISTICS

Interpretation of the nature and extent of contamination at Site 11 is based on the Phase I and II RI data presented in the draft final OU-3A RI Report (BNI 1997a). These data include the results of shallow and deeper subsurface soils investigations, groundwater investigations, soil gas investigations, sediment and surface-water investigations, aerial photograph reviews, and interviews with MCAS El Toro personnel.

The Phase I RI was conducted in 1992 and 1993. The Phase II RI was conducted in 1995 and 1996. The Phase II investigation consisted of reviewing data previously gathered (e.g., interviews, aerial photograph surveys, soil gas surveys, results of previous investigations), along with additional sampling and analysis to fill data gaps from the Phase I investigation and provide information necessary to conduct a baseline HHRA at all three sites.

Section 5.1 provides a history of Site 11, a summary of sampling performed during the Phase I and II investigations, and tables containing site-specific sampling results. The Phase I and II investigations showed that contamination is limited to shallow soils at Site 11. Categories of compounds detected in soils at this site include polychlorinated biphenyls (PCBs) and pesticides.

A table is used to summarize the contaminants found in soil at each unit or group of units. Site 11 units were grouped based on their location relative to each other, the nature of historical activities, the nature and magnitude of the chemical contaminants, and their physiographic characteristics. The Phase II draft final RI Report for OU-3A (BNI 1997a) discusses sampling locations and methodologies, compounds detected at each site, and the nature and extent of contamination.

Section 5.2 discusses possible migration pathways and routes of exposure to contaminants present at the sites.

Note: Figures and tables appear at the end of this section.

5.1 SITE 11

Site 11 is located on the northeast side of Building 369 in the southwestern quadrant of MCAS El Toro (Figure 5-1). Site 11 was used as a maintenance and storage yard for transformers. Most of the storage yard is relatively flat and covered with gravel, concrete, or asphalt pavement. The site is currently used for storage of equipment and scrap metal. Shallow soil beneath Site 11 is contaminated with PCBs associated with transformer storage. The site is fenced and comprises three units: a concrete pad (approximately 30 by 30 feet) and a 3-foot-wide strip of ground adjacent to the pad (Unit 1); an asphalt-lined drainage ditch parallel to the northeast side of Building 369 extending from the loading dock at the southern boundary to N Street at the northern boundary (Unit 2); and the remainder of the fenced, unpaved storage yard behind Building 369 (Unit 3).

During the Phase I RI, 16 soil samples were collected from six borings in Site 11. In Unit 1, seven shallow soil samples were collected from three borings. In Unit 2, nine shallow-soil samples were collected from three borings. All soil samples were analyzed for pesticides/PCBs. Unit 3 was not sampled during the Phase I RI.

Section 5 Summary of Site Characteristics

During the Phase II RI, 46 soil samples were collected from 13 borings in Site 11. In Unit 1, 12 shallow-soil samples were collected from three borings. In Unit 2, 16 shallow-soil samples were collected from four locations. In Unit 3, 18 shallow-soil samples were collected from six borings. Soil samples from Unit 2 were analyzed in the field using immunoassay test kits to screen for PCBs. All soil samples were analyzed for pesticides/PCBs.

Table 5-1 summarizes the fixed-base laboratory analytical results of the Phase I and II RIs at Site 11. Chemicals reported in shallow soil at Site 11 include pesticides and PCBs.

5.1.1 Units 1 and 2

Although Site 11 comprises three separate units, because both Units 1 and 2 have the same chemicals of concern (COCs) and are adjacent to each other, they are addressed as one area for the remedial action at Site 11 in this ROD. Unit 3 (the storage yard) is recommended for no further action and is addressed in Section 5.1.2.

Analytes reported in shallow soil at Units 1 and 2 were PCBs and pesticides. Figure 5-1 shows the distribution of these analytes in Units 1 and 2. The sample analytical results indicate that PCBs and pesticides are present primarily between 0 and 4.5 feet below ground surface (bgs). PCBs were reported in shallow-soil samples collected from boring locations throughout Units 1 and 2. The highest concentrations were reported at locations in the northwestern portions of both Units 1 and 2. The only PCB reported in soil at Site 11 was Aroclor 1260. The maximum PCB concentration was 3.58 milligrams per kilogram (mg/kg) reported in Unit 2 in the 4-foot-bgs sample from boring 11_DD1. The highest pesticide concentration, 0.145 mg/kg of endrin aldehyde, was reported in the same sample. Subsequent sampling below this depth immediately adjacent to that location (11B202) did not identify PCBs or endrin aldehyde below 4 feet bgs. The highest concentration of PCBs at Unit 1 was 2.8 mg/kg reported at 0 feet bgs in boring 11_GN1. This ROD presents the remedial action selected for Units 1 and 2.

5.1.2 Unit 3

Eight pesticides were reported in 7 of the 19 shallow soil samples collected from the Unit 3 borings. The highest concentration was 200 micrograms per kilogram ($\mu\text{g/kg}$) reported for 4,4'-dichlorodiphenyldichloroethane (DDD) in the 2- to 2.5-foot-bgs sample from boring 11B306. The concentrations of remaining pesticides reported in Unit 3 soil samples ranged from 0.88 to 89 $\mu\text{g/kg}$. While seven of the eight pesticides were reported in the 2- to 2.5-foot-bgs sample from boring 11B306, no more than two pesticides were reported in any of the remaining samples. Except for alpha-chlordane, the highest pesticide concentrations were reported in the 2- to 2.5-foot-bgs sample from 11B306. No pesticides were identified in any Unit 3 samples collected at depths greater than 2.5 feet bgs.

Section 5 Summary of Site Characteristics

5.2 POTENTIAL PATHWAYS FOR MIGRATION

A fate and transport evaluation for Site 11 was included in the OU-3A Remedial Investigation Report (BNI 1997a). The evaluation concluded that migration to groundwater is expected to be negligible because of the depth to groundwater (approximately 100 feet), low net infiltration at the site, the low water solubility, and low chemical mobility due to the high affinity for sorption of the COCs to soil. This is supported by analytical data that confirm that contamination is confined to the upper 10-foot soil interval.

Surface-water transport may occur at Site 11. However such transport is induced only during significant rainfall events and will flow off-site via the asphalt-lined drainage ditch near the south boundary or off the north side of the site into the surrounding streets. The presence of PCBs in the drainage ditch (Unit 2) is evidence that such surface water transport has apparently occurred. To prevent future off-site migration via surface water, the selected remedy at Site 11 will address contaminated soil at Unit 2.

Transport of contamination by air represents a relatively minor pathway for potential migration at Site 11 because a large portion of the site is covered by pavement and gravel.

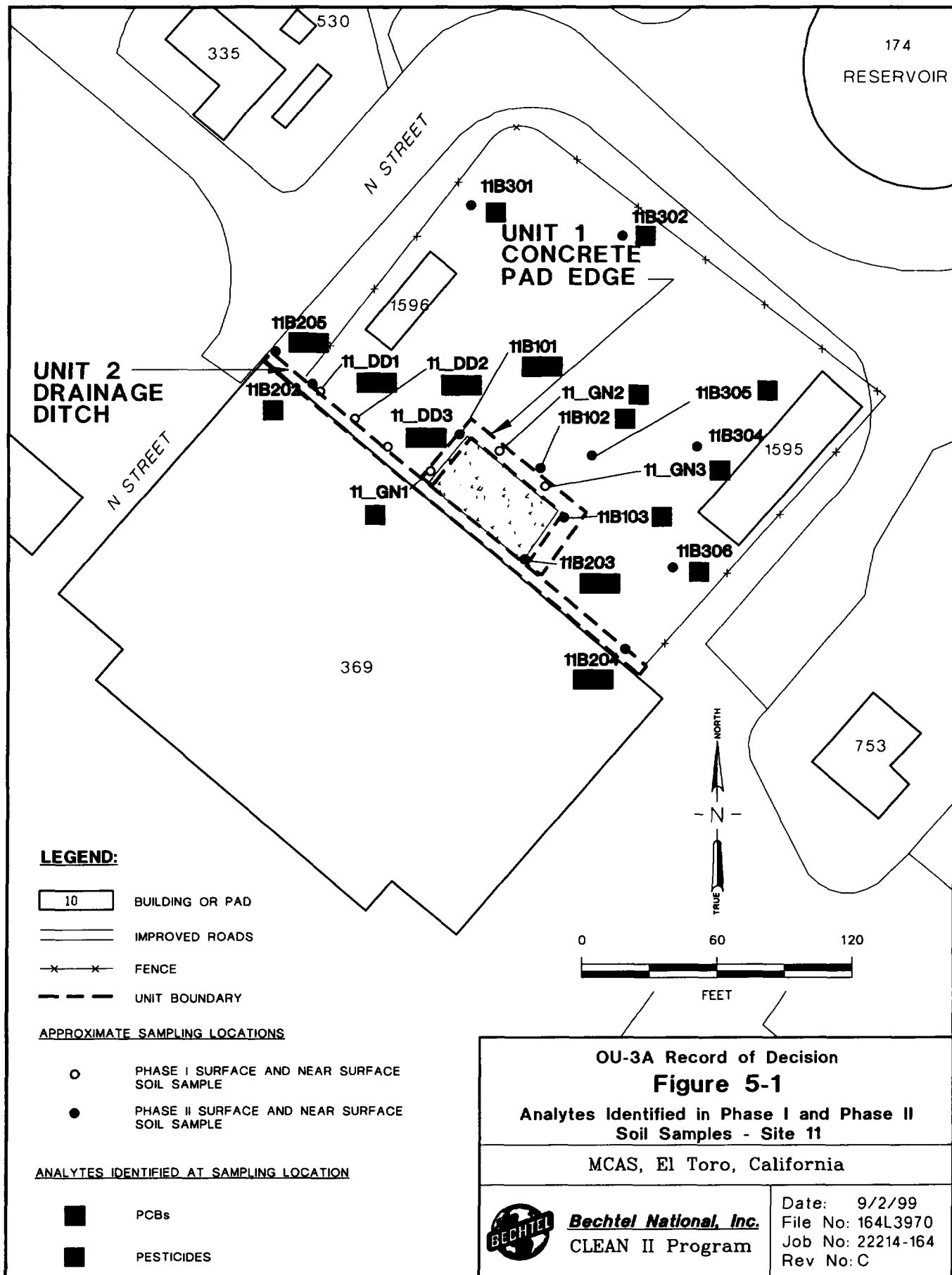


Table 5-1
Summary of Shallow-Soil Analytical Results for Site 11

Group	Analyte ID (CAS ^a No.)	Analyte Name	Number of Analyses	Number of Detections	Frequency of Detection (%)	Maximum Concentration (mg/kg) ^b	Location of Maximum Concentration	Unit ID of Maximum Concentration
Units 1 and 2								
PCBs ^c	11096-82-5	Aroclor 1260 ^d	44	7	15.9	3.58	11_DD1	2
Pesticides	72-54-8	4,4'-dichlorodiphenyldichloroethane	44	11	25.0	0.137	11_DD3	2
	72-55-9	4,4'-dichlorodiphenyldichloroethene	44	9	20.5	0.022	11B103	1
	50-29-3	4,4'-dichlorodiphenyltrichloroethane	44	10	22.7	0.0851	11_DD1	2
	5103-71-9	alpha-chlordane	44	2	4.5	0.0032	11B204	2
	319-85-7	beta-BHC ^e	44	6	13.6	0.0033	11B204	2
	33213-65-9	Endosulfan II	44	10	22.7	0.081	11_DD1	2
	72-20-8	Endrin	44	1	2.3	0.0249	11_DD1	2
	7421-93-4	Endrin aldehyde	44	8	18.2	0.145	11_DD1	2
	58-89-9	gamma-BHC ^f (lindane)	44	2	4.5	0.0013	11B204	2
	5103-74-2	gamma-chlordane	44	2	4.5	0.0034	11B204	2
	76-44-8	Heptachlor	44	7	15.9	0.0071	11B204	2
Unit 3								
PCBs	11096-82-5	Aroclor 1260	19	0	0	- ^g	-	-
Pesticides	72-54-8	4,4'-dichlorodiphenyldichloroethane	19	1	5.3	0.200J	11B306	-
	72-55-9	4,4'-dichlorodiphenyldichloroethene	19	4	21.1	0.055J	11B306	-
	50-29-3	4,4'-dichlorodiphenyltrichloroethane	19	3	15.8	0.089J	11B306	-
	5103-71-9	alpha-chlordane	19	3	15.8	0.0025	11B302	-
	5103-74-2	gamma-chlordane	19	1	5.3	0.0022J	11B306	-
	319-86-8	delta-BHC ^h	19	1	5.3	0.0028J	11B306	-
	959-98-8	Endosulfan I	19	1	5.3	0.099J	11B306	-
	58-89-9	gamma-BHC (lindane)	19	1	5.3	0.088J	11B306	-

(table continues)

Section 6

SUMMARY OF SITE RISKS

A Human-Health Risk Assessment (HHRA) was conducted for Site 11 using data collected during the Phase I and Phase II RIs. The human-health evaluation methodology is provided in Section 6 of the draft final Phase II RI Report for OU-3A sites. An ecological risk assessment was not performed for Site 11 because a habitat assessment performed for this site in May 1995 indicated an absence of significant plant and wildlife habitat (BNI 1997a).

6.1 HUMAN-HEALTH RISK ASSESSMENT

During the RI, the Navy considered the potential human-health risks associated with OU-3A Site 11. The HHRA was based on exposure to soils at the sites. Exposure to groundwater was not included because the RI indicated that site-specific contamination is present only in the shallow-soil interval and does not extend to groundwater beneath the site.

The HHRA was performed using residential and industrial scenarios. Evaluation of the residential scenario at these sites is considered conservative because the proposed reuse of the site is industrial and aviation-related (Table 1-1) and risks calculated for this type of scenario are usually less than risks calculated under the residential scenario. Exposure of the industrial worker was considered to be limited to contaminants in surface soils (0 to 2 feet bgs), whereas it was considered that the resident could be exposed to contaminants present from 0 to 10 feet bgs (shallow soils).

Possible exposure pathways examined for the chemicals at the surface and in shallow soil at Site 11 were ingestion of soil, inhalation of vapors and dust, and direct contact with the skin. Exposure conditions used in the estimation of risk were chosen to represent what is known as "reasonable maximum exposure" (RME). Use of these exposure conditions tends to overestimate risk. This effort to overestimate risk is deliberate; it provides risk managers a margin of safety when making cleanup decisions. The combination of the intake variables, expressing the exposure conditions for each receptor at each site, results in a chronic daily dose. The dose is an estimate of exposure for each pathway.

Risks were calculated by integrating the chronic daily dose with toxicity factors. Toxicity factors are numbers developed by U.S. EPA for each COPC that indicate the toxicity of the chemicals. The toxicity factor for carcinogenic effects is called a cancer slope factor (CSF) and the toxicity factor for noncarcinogenic effects is called a reference dose (RfD). Chemicals that show a potential for both carcinogenic and noncarcinogenic health effects are assigned both slope factors and reference doses. In addition to the U.S. EPA-derived CSFs, Cal-EPA has developed CSFs for a group of carcinogens. Following DON policy, both U.S. EPA and Cal-EPA slope factors were used in the estimation of the risk from those chemicals when present. CSFs and RfDs are derived from the results of human epidemiological studies or chronic animal bioassays to which animal-to-human

extrapolation has been applied. Uncertainty factors applied to RfDs help ensure that the toxicity values will not underestimate the potential for adverse noncarcinogenic effects to occur.

Excess lifetime cancer risks are probabilities that are generally expressed in scientific notation (i.e., 1×10^{-6}). An excess lifetime cancer risk of 1×10^{-6} indicates that, as a plausible upper bound, an individual has a one in a million chance of developing cancer as a result of site-related exposure to a carcinogen over a 70-year lifetime under the specific exposure conditions at a site. Guidelines for managing cancer risks are promulgated in the NCP (40 *Code of Federal Regulations* [CFR] 300. 430 [e][2][I][A][2]). According to these regulations, excess cancer risks between 10^{-4} and 10^{-6} or less are considered generally allowable. Excess cancer risks below 10^{-6} are considered unconditionally allowable.

Potential noncarcinogenic effects of a single contaminant in a single medium are expressed as hazard quotients (HQs). The hazard index (HI) is generated by adding the HQs for all contaminants within a medium or across all media to which a given population may reasonably be exposed. The HI provides a useful reference point for gauging the potential significance of multiple contaminant exposures within a single medium or across media. U.S. EPA has also established guidelines for noncancer risks. Using these guidelines, an HI of less than 1 is generally considered protective of human health. If the HI is greater than 1, the chemicals are assessed to determine whether the HI represents an unacceptable noncarcinogenic human-health risk.

Table 6-1 summarizes the results of the risk assessment for exposure to soils at Site 11. The table identifies the total cancer and/or noncancer risk for each receptor. In addition, it identifies the chemicals contributing the majority of the cancer risk and HI. These chemicals are termed "risk drivers." Cancer risks are based on U.S. EPA and Cal-EPA CSFs, as appropriate. Risks to an excavation worker were qualitatively assessed. Cancer risk to these individuals was estimated to be at least seven times less than the risk to a resident adult and ten times less than the risk to a resident child. Therefore, risks to the excavation worker are considerably less than the risks to the resident (Table 6-1).

6.2 NO ACTION UNITS

Risk management considerations for Unit 3 are summarized in Table 6-2 and discussed below. Based on the results of the HHRA, if no remediation occurs, risks at Site 11 Unit 3 would fall below 10^{-6} for both the residential and industrial scenarios. Table 6-1 also shows that the HIs for Site 11 Unit 3 are less than 1 under both the industrial and residential scenarios. Based on the fact that both cancer and noncancer risks are outside of the lower bound of the risk range where the U.S. EPA considers remedial action, no action is selected for Unit 3.

Table 6-1
Site 11 – Phase II RI^a Baseline Risk Assessment Results and Remedial Action Recommendations

Site Number Site Name Unit Number			PHASE II RI RISK ASSESSMENT								Recommendations
			EXCESS LIFETIME CANCER RISK				NONCANCER RISK (Hazard Index)				
			Residential Scenario (0 to 10 feet bgs) ^{b,c} U.S. EPA ^d /Cal-EPA ^e	Residential Scenario Risk Drivers ^f	Industrial Scenario (0 to 2 feet bgs) U.S. EPA/Cal-EPA	Industrial Scenario Risk Drivers ^f	Residential Scenario (0 to 10 feet bgs) ^d	Residential Scenario Risk Drivers ^f	Industrial Scenario (0 to 2 feet bgs)	Industrial Scenario Risk Drivers ^f	
11	Transformer Storage Area	1	9.1 × 10 ⁻⁵	Aroclor 1260 (99%)	6.0 × 10 ⁻⁵	Aroclor 1260 (99%)	4.5	Aroclor 1260 (99%)	1.1	Aroclor 1260 (99%)	Further action recommended.
		2	5.9 × 10 ⁻⁶	Aroclor 1260 (99%)	4.5 × 10 ⁻⁵	Aroclor 1260 (99%)	0.30	—	0.83	—	Further action recommended.
		3	3.0 × 10 ⁻⁷	—	1.6 × 10 ⁻⁵	—	0.017	—	0.00031	—	No further action recommended.

- Notes:
- ^a RI – remedial investigation
 - ^b bgs – below ground surface
 - ^c cancer risk results shown are for the hypothetical residential adult; adult cancer risks are higher than the child cancer risk
 - ^d U.S. EPA – United States Environmental Protection Agency
 - ^e Cal-EPA – California Environmental Protection Agency
 - ^f as determined by human-health risk assessment, number in parentheses is percentage of risk the risk driver accounts for (U.S. EPA/Cal-EPA)
 - ^g systemic toxicity results shown are for the hypothetical resident child; child noncancer risks are higher than the adult cancer risks

Table 6-2
Site Summary: Risk Assessment Results and Recommended Actions

Site/Unit	Cancer Risk ^a	Noncancer Risk ^b	Risk Management Considerations	Recommended Actions
Site 11				
Unit 1	9 additional cases in 100,000	4.5	A small volume of PCB ^c -contaminated soil is present in this localized area. Noncancer risks exceed 1, and cancer risks are at the upper end of the generally allowable risk range.	Proposed remedial action: remove up to 6 feet of soil (approx. 133 cubic yards).
Unit 2	6 additional cases in 1,000,000	0.3	A small volume of PCB-contaminated soil is present in this localized area. Unit 2 is a drainage ditch. Contaminants (PCBs) present in the ditch have a potential to migrate off-site via surface-water runoff.	Proposed remedial action: remove up to 6 feet of soil (approx. 100 cubic yards).
Unit 3	3 additional cases in 10,000,000	0.017	Both the cancer and noncancer risk values are allowable.	No further action

Notes:

^a to manage carcinogenic risk and protect human health, United States Environmental Protection Agency follows the protective risk ranges established by the National Oil and Hazardous Substances Pollution Contingency Plan: greater than one additional cancer case in a population of 10,000 is unacceptable; one additional cancer case in a population of 10,000 to one additional cancer case in a population of 1,000,000 can be gene. may considered allowable; and less than one additional cancer case in a population of 1,000,000 is allowable

^b noncancer risk generally considered allowable because value is associated with a pesticide that was present in only one sample

^c PCB – polychlorinated biphenyl

6.3 REMEDIAL ACTION UNITS

This ROD selects remedial action for Site 11 Units 1 and 2. Risk management considerations leading to this decision are summarized in Table 6-2 and discussed below.

Based on the results of the HHRA, if no remediation occurred at Site 11, the excess cancer risk for the residential scenario would be 9.1×10^{-5} at Unit 1 and 5.9×10^{-6} at Unit 2. The excess cancer risk for the industrial scenario is 6.0×10^{-5} at Unit 1 and 4.5×10^{-5} at Unit 2. The risk driver for the residential and industrial risks is the PCB Aroclor 1260. The HI for Site 11 Unit 1 is 4.5 under the residential scenario and 1.1 under the industrial scenario. The noncancer risk driver in the residential and industrial scenarios at Unit 1 is Aroclor 1260. The HIs for both the residential and industrial scenarios for Unit 2 are below 1.0. The remedial action for Units 1 and 2 is to remove the PCB-contaminated soil contained in Units 1 and 2 (approximately 133 cubic yards in Unit 1 and 100 cubic yards in Unit 2). This will reduce risks and eliminate the potential for off-site migration of contamination by surface-water runoff.

6.4 SUMMARY

If not addressed by implementing the response action selected in this ROD, actual or threatened releases of hazardous substances from Site 11 Units 1 and 2 may present a current or potential threat to public health, welfare, or the environment.

Section 7

DESCRIPTION OF ALTERNATIVES

Based on the Phase I and Phase II RIs and the baseline HHRA, remedial action is appropriate to address contaminated soil at Site 11 Units 1 and 2. Site 11 Unit 3 does not pose an unacceptable risk to human health or the environment. Accordingly, no remedial action is appropriate for this unit. DTSC, RWQCB, and U.S. EPA agree with these determinations. The DON's selection of no action for Site 11 Unit 3 reflects the determination that the condition of this unit is protective of human health and the environment.

Based on site conditions, COCs, and exposure pathways, the following remedial action objectives (RAOs) have been developed for the shallow-interval at Site 11 Units 1 and 2:

- prevent ingestion of soil containing site-specific COCs (e.g., pesticides and PCBs);
- prevent direct contact with soil containing COCs;
- reduce the potential for or prevent the inhalation of airborne particulates containing COCs; and
- reduce potential threats to the environment including groundwater (and surface water runoff).

The development of alternatives to meet the RAOs followed the requirements identified in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by Superfund Amendments and Reauthorization Act of 1986, 42 *United States Code* (USC) Section 9601 et seq., and to the extent practicable, the NCP. To address the RAOs, the following remedial alternatives have been developed to address contaminants at Site 11 Units 1 and 2:

- Alternative 1 – no action, intended to serve as a baseline against which the other alternatives may be evaluated
- Alternative 2 – asphalt cap with restrictive covenant
- Alternative 3 – excavation with off-Station disposal of contaminated soil
- Alternative 4 – excavation, on-site soil washing, on-site incineration, and off-Station disposal of incinerator residuals at a Class I landfill
- Alternative 5 – excavation, on-site soil washing, and disposal at a Class I landfill

The remedial action alternatives for Site 11 Units 1 and 2 were developed in the Phase II FS (BNI 1997b) and are summarized in the following subsections.

7.1 ALTERNATIVE 1 – NO ACTION

Inclusion of a no action alternative is required under the NCP (Title 40 CFR 300.430[e][6]). This alternative provides a basis for assessing the remaining alternatives. Under the no action alternative, none of the general response actions (GRAs) associated with institutional/engineering controls, containment, removal, or collection/treatment would be implemented to reduce the potential risks to human health associated with the

contamination in shallow soil at Site 11 Units 1 and 2. Conditions at Site 11 remain as described in the RI Report (BNI 1997a). Natural biological degradation would continue to be the only process acting to reduce contaminant concentrations under this alternative. The estimated half-lives of the contaminants in soil at Site 11 Units 1 and 2 range up to 410,000 years for Aroclor 1260 (BNI 1997a).

7.2 ALTERNATIVE 2 – ASPHALT CAP WITH RESTRICTIVE COVENANT

Alternative 2 consists of an asphalt cap. A restrictive covenant would be used to protect the cap from damage.

Under Alternative 2 at Site 11 Units 1 and 2, the contaminated area would be covered by an asphalt cap, and the integrity of the cap would be protected by a restrictive covenant placed on the property. The asphalt cap would reduce the human-health risk by physically preventing direct exposure to the PCBs in shallow soil. The concentrations of contaminants at the units would remain as they are presented in Section 5.

Because most of the contaminants identified in soil at Site 11 Units 1 and 2 are adsorbed to the soil and are relatively immobile under the existing site conditions, provisions for infiltration control in the cap design are not necessary. In addition, the level, stable, and compacted nature of the surficial soil throughout the area of Site 11 Units 1 and 2 makes site preparation work unnecessary. The proposed cap design would consist of a 4-inch-thick asphalt pavement cap underlain by 12 inches of gravel bedding material.

A 30-year maintenance period is assumed for this alternative. Maintenance activities would include annual inspections and incremental repaving as necessary to maintain the integrity of the asphalt cap. Over the 30-year maintenance period, the total incremental repaving requirements are assumed to be equivalent to a single complete replacement of the asphalt cap.

A restrictive covenant would also be placed on the property as a legal mechanism to control potential damage or destruction of the cap during its assumed 30-year serviceable lifetime. The restrictive covenant would govern the conditions under which the property could be used in the future. The restrictive covenant measures fall into two broad categories: 1) restrictions on future land use and 2) provision for access for potential future inspection and maintenance activities by the DON and FFA signatories. The actual drafting of the legal instruments relating to these institutional control measures would be done at the time of property transfer.

Land-use restrictions are required to limit exposure to future landowner(s) and/or user(s) and/or to maintain the integrity of the remedial action. The following uses would be restricted by the institutional controls.

- The future landowner(s) and/or user(s) would be restricted from using the site for a hospital, school, residences, or day care center for children.

Section 7 Description of Alternatives

- The future landowner(s) and/or user(s) of the property would be restricted from any activity that would adversely impact the cover (e.g., excavations below the surface grade of the cover) other than for routine maintenance and/or repair of the cover (if transferee agrees to perform these responsibilities).
- Prior to any excavation activity other than that activity authorized by the deed, the landowner(s) and/or user(s) of the property would make a written request to and obtain the approval of the DON and FFA signatories.

This alternative also includes requirements for maintenance activities to assure the long-term integrity of the cover. The DON would assure that the deed includes provisions for access by the DON and the FFA signatories for purposes of conducting or overseeing such inspection and maintenance activities.

7.3 ALTERNATIVE 3 – EXCAVATION WITH OFF-STATION DISPOSAL OF CONTAMINATED SOIL

Under Alternative 3, contaminated soil at Site 11 Units 1 and 2 would be removed. Pavement at these units (i.e., the concrete pad at Unit 1 and the asphalt-lined ditch at Unit 2) would also be removed. Because the excavations at some of the units could be deeper than 5 feet, federal Occupational Safety and Health Administration (OSHA) requirements mandating sidewall protection would be adhered to as required. Use of a 1:1 side slope is expected to be satisfactory in view of the site conditions and would minimize the additional excavation volume. At Site 11, because Building 369 is immediately adjacent to the excavation limits at Unit 2, it may be necessary to provide sidewall protection (e.g., shoring) to ensure the integrity of the building.

Excavated soil will be characterized and managed in compliance with Title 22 CCR requirements for RCRA and non-RCRA hazardous waste. These regulations are summarized in Section 10 and listed in Tables 10-1 and 10-2. Land disposal restrictions (LDRs) will not be triggered, because the waste will not be “placed” outside the area of contamination.

Once the areas have been excavated, soil would be sampled to confirm that all of the contaminated soil exceeding residential risk-based concentrations (RBCs) for the COCs at each area has been removed. Contaminant-specific RBCs are estimated concentrations generally accepted as protective of human health. RBCs were calculated for all the analytes identified in the RI for Site 11 Units 1 and 2 (Table 7-1). The concentrations shown in Table 7-1 correspond to an excess cancer risk of 1×10^{-6} for each COC. Even with multiple chemicals of concern, the total cumulative risk after remediation will still fall within the 10^{-6} range. To confirm that the contaminated soil has been removed, soil samples collected from the bottom of the excavations would be analyzed for the COCs for that specific unit.

Contaminated soil and pavement removed from Site 11 Units 1 and 2 will be characterized and disposed at an appropriate off-Station disposal facility.

Table 7-1
Summary of Risk-Based Concentrations for Analytes Identified
in Shallow Soil at Site 11 Units 1 and 2
(units reported in milligrams per kilogram)

Analyte Name	RISK-BASED CONCENTRATIONS Residential Scenario
Polychlorinated biphenyls	
Aroclor 1260	3.08E-02
Pesticides	
4,4'-dichlorodiphenyldichloroethane	1.25E+00
4,4'-dichlorodiphenyldichloroethene	8.81E-01
4,4'-dichlorodiphenyltrichloroethane	8.81E-01
alpha-chlordane	2.30E-01
beta-BHC*	2.30E-01
Endosulfan II	2.34E+02
Endosulfan sulfate	2.34E+02
Endrin aldehyde	1.17E+01
Heptachlor	6.66E+01

Note:

* beta-BHC – beta isomer of benzene hexachloride

Section 7 Description of Alternatives

Upon completion of the removal operations, the excavated areas would be backfilled using compacted clean fill material. Soil backfill material could be obtained from either an on-Station or off-Station source.

7.4 ALTERNATIVE 4 – EXCAVATION, ON-SITE SOIL WASHING, ON-SITE INCINERATION, AND OFF-SITE DISPOSAL OF INCINERATOR RESIDUALS AT A CLASS I LANDFILL

Under Alternative 4, contaminated soil at Site 11 Units 1 and 2 would be excavated, washed, incinerated on-site, and reused or disposed off-site. Confirmation sampling would be performed to confirm that all contaminated soil has been removed. Specifics of the on-site excavation, stockpiling, and confirmation sampling are the same as those described for Alternative 3.

For Site 11 Units 1 and 2, the excavated soil would be treated using a soil-washing system to separate the fine-grained soil fraction (containing the bulk of the contamination) from the coarser material. This would reduce the volume of soil requiring further treatment. Samples would be collected from the treated coarser fraction generated by soil washing and analyzed for unit-specific contaminants to confirm that residual contaminant concentrations are less than the residential RBCs.

Upon receipt of the analytical results confirming COC concentrations less than the residential RBCs, the treated coarse soil fraction would be reused at the unit from which it was obtained to partially backfill the excavated area. To return all the excavated areas to their original grade, the treated soil would be supplemented with clean fill material obtained from a suitable on-Station or off-Station source.

The finer soil fraction obtained from soil washing would be treated further using an on-site mobile incinerator to destroy the PCBs and other organic contaminants. The incinerator would be designed and operated in compliance with RCRA requirements provided in 22 CCR 66264.340 through 66264.343, 66264.345, and 66264.347 and closed in accordance with 22 CCR 66264.351. Because incineration does not treat metals in the soil, the treatment residuals may be hazardous due to the presence of metals concentrated in the incinerated soil. The metals concentrations cannot be determined until a treatability study for the incinerator is conducted. If it is determined that residuals are hazardous, the residual material would be transported to an off-Station RCRA-permitted disposal facility, presumably the Class I landfill located in Imperial County near Westmoreland, California. The one-way transport distance from MCAS El Toro to Westmoreland is approximately 200 miles.

Liquid used for soil washing would be stored and managed in compliance with 22 CCR 66264.171-174, 175(a) and (b), and 178. Liquids are expected to be stored in aboveground tanks. Spill protection would be provided. The remediation unit would be self-contained. Effluent would be discharged directly to the tank and the liquid will be recycled to the maximum extent possible. Once the remediation is complete, the residual

liquid remaining at the end of the soil-washing process would be tested in accordance with 22 CCR 66262.10(a) and 11 to determine if it is hazardous waste and would be disposed at an appropriate off-Station disposal facility.

7.5 ALTERNATIVE 5 – EXCAVATION, ON-SITE SOIL WASHING, AND DISPOSAL AT A CLASS I LANDFILL

Under Alternative 5, contaminated soil at Site 11 Units 1 and 2 would be excavated, washed, and reused or disposed off-site. Confirmation sampling would be performed to confirm that all contaminated soil has been removed. Specifics of the on-site excavation, stockpiling, and confirmation sampling are the same as those described for Alternative 3 (Section 7.3).

Under Alternative 5, the excavated soil would be treated on-site using a soil washing system to separate the fine-grained soil fraction (containing the bulk of the contamination) from the coarser material, reducing the volume of soil requiring disposal. The treated coarser fraction generated by soil washing would be sampled to confirm that residual contaminant concentrations are less than the residential RBCs for the analytes reported in soil at Site 11 Units 1 and 2. Upon receipt of the analytical results, the treated coarse soil fraction would be reused at the sites to partially backfill the excavations. To return the excavated areas to their original grade, the treated soil would be supplemented with clean soil from a suitable on-Station or off-Station source.

The finer soil fraction would be transported to an off-Station RCRA-permitted disposal facility, presumably the Class I landfill located in Imperial County near Westmoreland, California. The one-way transport distance from MCAS El Toro to Westmoreland is approximately 200 miles. Disposal of the PCB-contaminated soil fraction at a Class I facility is proposed for this alternative because the soil-washing process would concentrate contaminants into a smaller volume of material. This soil fraction would probably not be suitable for disposal at a Class III landfill due to the resultant increase in contaminant concentrations and the types of contaminants involved (particularly PCBs).

Liquid used for soil washing will be stored and managed as discussed in Section 7.4.

Section 8**COMPARATIVE ANALYSIS OF ALTERNATIVES**

This section summarizes the comparative analysis conducted to evaluate the relative performance of each remedial alternative developed for Site 11 Units 1 and 2 with respect to the nine evaluation criteria outlined in CERCLA Section 121(b), as amended. The purpose of the comparative analysis is to identify the relative advantages and disadvantages of each alternative. The evaluation criteria that follow are based on requirements promulgated in the NCP. As stated in the NCP (40 CFR 300.430[f]), the evaluation criteria are arranged in a hierarchical manner that is then used to select a remedy for the site based on the following categories:

- Threshold criteria:
 - overall protection of human health and the environment
 - compliance with applicable or relevant and appropriate requirements (ARARs)
- Primary balancing criteria:
 - long-term effectiveness and permanence
 - reduction of toxicity, mobility, or volume
 - short-term effectiveness
 - implementability
 - cost
- Modifying criteria:
 - state acceptance
 - community

Table 8-1 summarizes the results of the comparative analysis of the five alternatives for Site 11 Units 1 and 2. Table 8-2 compares cost and schedule for each of the five alternatives. The following subsections discuss the comparisons for each of the nine criteria identified above.

8.1 OVERALL PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT

Alternatives that achieve a reduction in risk and can successfully maintain the reduced risk levels are considered protective of human health and the environment. Alternative 1 is not protective of human health and the environment because, by definition, it does not include any actions that reduce the risk associated with the contaminants in shallow soil at Site 11 Units 1 and 2. The human-health risks at these units would remain the same as were presented in the draft final Phase II RI Report (Table 6-1).

Table 8-1
Summary of Comparative Analysis of Remedial Alternatives 1 Through 5^a

Criteria	ALTERNATIVES				
	1	2	3	4	5
Description of alternative	No action	Asphalt cap plus restrictive covenant	Excavation with off-Station disposal of contaminated soil at an appropriate disposal facility	Excavation, on-site soil washing, on-site incineration, and off-site disposal of incineration residuals at a Class I landfill	Excavation, on-site soil washing, on-site and off-site disposal at a Class I landfill.
Long-term effectiveness and permanence ^b	Low Not effective in protecting human health and the environment. No reduction in risk.	Moderate Contaminated soil is not removed, just covered by asphalt cap. Provides protection to human health and the environment provided cap is not disturbed.	High Contaminated soil is removed from the site. Significantly reduces risk at site and is considered a permanent solution.	High Contaminated soil is removed from the site and treated. Significantly reduces risk at site and is considered a permanent solution.	High Contaminated soil is removed from the site and treated. Significantly reduces risk at site and is considered a permanent solution.
Reduction of toxicity, mobility, or volume through treatment ^c	Low Does not reduce toxicity, mobility, or volume.	Low Does not reduce mobility, toxicity, or volume through treatment.	Low Does not reduce volume, toxicity, or mobility by treatment. Volume reduction achieved instead by excavation and removal.	High Reduces volume and toxicity of contaminated soil by soil washing and incineration	High Reduces volume of contaminated soil by soil washing.
Short-term effectiveness ^d	High Because no additional exposure to workers or the public occurs as a result of this alternative, the short-term effectiveness is high.	Moderate Capping activities will cause only minor disturbance at the site, resulting in low risk to workers and the public.	Low Controls will be used to ensure that excavation activities do not result in unacceptable exposure to soil contaminants.	Low Controls will be used to ensure that excavation, stockpiling, and treatment activities do not result in unacceptable exposure to soil contaminants.	Low Controls will be used to ensure that excavation, stockpiling, and treatment activities do not result in unacceptable exposure to soil contaminants.

(table continues)

Table 8-1 (continued)

Criteria	ALTERNATIVES				
	1	2	3	4	5
Implementability ^e	High No construction activities.	Moderate Capping activities will require moderate technical and administrative effort. Restrictive covenant will require some additional administrative effort.	Moderate to Low Excavation activities will require moderate technical and administrative efforts. Off-Station disposal will require additional administrative effort.	Low Excavation and treatment activities will require significant technical and administrative efforts. This alternative will require pilot testing and public approval.	Low Excavation and treatment activities will require significant technical and administrative efforts.
Cost	None No cost.	\$58,800	\$101,400	\$430,200	\$133,900
State acceptance	The state cannot accept this alternative.	The state has not commented on the acceptability of this alternative.	The state can accept this alternative.	The state has not commented on the acceptability of this alternative.	The state has not commented on the acceptability of this alternative.
Community Acceptance ^f	Public comments and responses to public comments are found in the responsiveness summary, which is part of this ROD.	Public comments and responses to public comments are found in the responsiveness summary, which is part of this ROD.	Public comments and responses to public comments are found in the responsiveness summary, which is part of this ROD.	Public comments and responses to public comments are found in the responsiveness summary, which is part of this ROD.	Public comments and responses to public comments are found in the responsiveness summary, which is part of this ROD.

(table continues)

Table 8-1 (continued)

Notes:

- this table does not include the threshold criteria of "overall protection of human health and the environment" or "compliance with ARARs"; all the alternatives being considered (except for the no action alternative) meet the threshold criteria
- this criterion focuses on long-term effectiveness in maintaining protection of human health and the environment after the response objectives have been met (i.e., residual risk, reliability of controls such as containment systems); alternatives that are most effective over the long term are rated the highest
- this criterion focuses on the degree to which the alternatives employ treatment to reduce toxicity, mobility, or volume; alternatives that employ treatment to reduce toxicity, mobility, or volume are rated the highest
- this criterion focuses on how well the alternatives protect human health and the environment during the construction and implementation of the remedy; until response objectives have been met; alternatives that take longer to implement and require exposing/moving large amounts of contaminated soil are rated the lowest
- this criterion evaluates the technical and administrative feasibility of alternatives and the availability of required goods and services; alternatives that are easy to construct using readily available materials and no specialized equipment are rated the highest
- community acceptance will be assessed following the public review process
- TBD – to be determined

Comparative Analysis of Alternatives

Table 8-2
Alternative Cost and Schedule Comparison for Alternatives 1 Through 5

Alternative	Capital Cost ^a	Remedial Construction Duration (months)	Monitoring and Maintenance Period (years)	Net Present Worth ^b
1	— ^c	—	—	—
2	\$41,900	1	30	\$58,800
3	101,400	1	—	101,400
4	430,200	2	—	430,200
5	133,900	2	—	133,900

Notes:

- ^a capital cost includes direct costs, indirect costs, escalation (from base year of 1995 to midpoint of construction in 1999), and 20 percent contingency
- ^b net present worth equal to capital cost plus monitoring and maintenance costs where applicable
- ^c — — not applicable

Alternative 2 is considered protective of human health and the environment because it would sever the pathway for exposure to contaminants present at Site 11 by placing a physical buffer zone (i.e., asphalt cap) between the contaminated soil and the potential risk receptors. The contaminant transport pathways are rendered incomplete by the cap, and a restrictive covenant would be placed on the property to prevent disturbance of the cap. Maintenance would also be used to ensure the continued protectiveness of this remedy.

Alternatives 3, 4, and 5 are also considered protective of human health and the environment. Under Alternative 3, risk reduction is achieved by excavating the contaminated soil and removing it from the site. In addition to excavation and removal, Alternatives 4 and 5 include treatment that further reduces the risk from the contaminated soil by reducing the volume through soil washing (Alternatives 4 and 5) and the toxicity of the contaminants through incineration (Alternative 4).

8.2 COMPLIANCE WITH APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Pursuant to Section 121(d)(1) of CERCLA (42 *United States Code* Section 9621[d]), remedial actions must attain a degree of cleanup that assures protection of human health and the environment. Additionally, remedial actions that leave hazardous substances, pollutants, or contaminants on-site must meet standards, requirements, limitations, or criteria that are ARARs. Federal ARARs may include requirements under federal environmental laws. State ARARs include promulgated requirements under state environmental or facility siting laws that are more stringent than federal ARARs and have been identified by the state in a timely manner.

CERCLA Section 121 states that at the completion of a remedial action, a level or standard of control required by an ARAR will be attained for wastes that remain on-site. In addition, the NCP, 40 CFR Section 300.435(b)(2), requires compliance with ARARs during the course of the remedial design/remedial action.

ARARs are triggered only when a remedial action is taken. Therefore, an ARARs discussion is not appropriate for the no action alternative.

Alternative 2 uses a cap to prevent exposure to contaminated soil and institutional controls and maintenance to maintain the integrity of the cap. This alternative would comply with ARARs pertaining to air contaminants and particulate emissions during construction of the asphalt cap. Alternative 2 does not trigger clean-closure ARARs because contaminated soil beneath the cap would not be treated or removed from the site.

Under Alternative 3, contaminated soil would be excavated and disposed at an appropriate off-Station disposal facility. This alternative would comply with ARARs pertaining to the classification, generation, and storage of hazardous wastes and air contaminants and particulate emissions. LDRs will not be triggered on-site because the waste will not be "placed" outside the area of contamination. Because the contaminated soil is physically removed from the site, Alternative 3 would also comply with ARARs pertaining to clean closure.

Under Alternative 4, contaminated soil would be excavated, washed, and treated using incineration. The excavation of contaminated soil at Site 11 Units 1 and 2 under Alternative 4 would comply with the ARARs identified for Alternative 3. In addition, incineration of contaminated soil (from soil washing) would comply with ARARs pertaining to operation, air emissions, monitoring, and closure of an incinerator and to transportation of incinerator residuals off-site to a permitted Class I disposal facility. Liquid used for soil washing will be stored, managed, characterized, and disposed in compliance with ARARs pertinent to these activities.

Under Alternative 5, contaminated soil would be excavated, washed, and reused or disposed off-Station. The excavation of contaminated soil under Alternative 5 would also comply with the ARARs identified for Alternative 3. This alternative would also comply with ARARs pertaining to the off-Station transportation of contaminated soil (from soil washing) to a permitted Class I disposal facility and with ARARs pertaining to management of liquids used for soil washing.

8.3 LONG-TERM EFFECTIVENESS AND PERMANENCE

This criterion focuses on each alternative's long-term effectiveness in protecting human health and the environment. Alternative 1 would have very little long-term effectiveness because no remedial action would be conducted. Conditions at Site 11 Units 1 and 2 would remain essentially unchanged from those now present at the site.

Comparative Analysis of Alternatives

Alternative 2 would prevent contact with contaminated soil provided the asphalt cap is not damaged or removed during its anticipated 30-year operational lifetime. However, Alternative 2 is considered only moderately effective over the long term because it does not represent a permanent solution. Alternatives 3, 4, and 5 offer high long-term effectiveness and are considered permanent solutions because the contaminants in shallow soil are physically removed or thermally destroyed.

8.4 REDUCTION OF TOXICITY, MOBILITY, OR VOLUME THROUGH TREATMENT

This criterion focuses on the statutory preference for remedial actions that reduce the toxicity, mobility, or volume of contaminants using treatment technologies, either singly or in combination (e.g., excavation and treatment). Alternative 1 provides no reduction in contaminant toxicity, mobility, or volume because no remedial actions would be taken and, therefore, this alternative is rated low. Similarly, Alternative 2 does not reduce contaminant toxicity, mobility, or volume through treatment and is also rated low.

Alternative 3 would reduce contaminant volume at Site 11 but would achieve this reduction by moving the contaminated soil to another location. Because this does not represent a true volume reduction through treatment, Alternative 3 is also rated low.

Alternative 4 would provide significant reductions in both contaminant volume and toxicity. A reduction in contaminant volume would be achieved through excavation of the contaminated soil, followed by on-site soil washing to concentrate the contaminants into a smaller volume of material. Incineration of the contaminated soil remaining after soil washing provides a permanent reduction in toxicity by destroying the organic contaminants in the soil. Any hazardous residuals remaining after incineration would be placed in an off-Station Class I disposal facility specifically designed for long-term storage and containment of such materials. Because Alternative 4 uses treatment to permanently reduce volume and toxicity, it is rated high.

Like Alternative 4, Alternative 5 provides a significant reduction in contaminant volume by excavating the contaminated soil and washing the soil to concentrate the contaminants into a smaller volume of material. The contaminated material remaining after soil washing is then physically removed from the site and placed in an off-Station Class I disposal facility. Alternative 5 is rated high because it significantly reduces volume and/or toxicity through treatment.

8.5 SHORT-TERM EFFECTIVENESS

This criterion focuses on how well the alternatives protect human health and the environment during construction activities and implementation of the remedy until response objectives have been met. Under Alternative 1, no remedial activities would be performed. Because no additional exposure to workers or the public would occur as a result of this alternative, the short-term effectiveness is high.

Alternative 2 involves covering Site 11 Units 1 and 2 with a 4-inch-thick asphalt pavement cap underlain by a 12-inch-thick gravel bedding material. The cap

construction activities would cause only minor disturbance of contaminated soil because the ground surface is generally level and little site preparation work should be required prior to capping. Alternative 2 would also require the least time to implement of all the alternatives.

Furthermore, Alternative 2 would not require excavation of contaminated soil, and the remedial activities would be limited to a very small area. Therefore, risks associated with exposure of site personnel to dust emissions and direct contact with contaminated soil and investigation-derived wastes during capping operations are expected to be minor. Risks to site personnel during capping activities would be mitigated using dust suppressants and personal protective equipment (PPE). Exposure of the community or base personnel to site construction activities is also expected to be limited because dust suppression will be used to ensure that capping activities do not generate a large volume of dust.

Because Alternative 2 requires the least time to implement, is expected to cause only minor disturbance at the site, and would pose low risk to workers and the public, this alternative is considered to have moderate short-term effectiveness.

Alternatives 3, 4, and 5 are more complex than Alternative 2 because they involve excavation, loading, and hauling of contaminated soil and/or treatment. Remedial construction time for Alternatives 3, 4, and 5 is estimated to be 1, 2, and 2 months, respectively. This is the same as or greater than the estimated 1 month to construct Alternative 2. Alternatives 3, 4, and 5 also present a greater potential risk because contaminated soil would be brought to the surface, where it could result in direct exposure.

Risks associated with exposure of site personnel, the community, and base personnel to dust emissions and direct contact with contaminated soil and investigation-derived waste during excavation, loading, hauling, unloading, and grading of contaminated soil would be mitigated using dust suppressants and PPE. Risks associated with incinerator residuals will be mitigated by shipping the residuals off-Station to an appropriate disposal facility. However, because Alternatives 3, 4, and 5 take slightly longer to implement and require more control to prevent exposure to contaminated soil, they are considered to have low short-term effectiveness.

8.6 IMPLEMENTABILITY

The implementability criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation. Because no construction or administrative activities are performed, Alternative 1 is considered easy to implement and is therefore rated high.

Alternative 2 involves the addition of asphalt pavement to cover the contaminated area of Site 11 Units 1 and 2. Capping is a well-established and widely used construction technology and is not expected to introduce significant delays or difficulties. All materials necessary to implement this alternative are readily available. Capping activities are considered to require a moderate amount of technical and administrative effort.

Comparative Analysis of Alternatives

Implementation of a restrictive covenant will require some additional administrative effort; therefore, implementability of Alternative 2 is rated moderate.

Implementing Alternatives 3, 4, and 5 will involve excavation of the contaminated soil. Excavation is a reliable and well-established technology that can be readily implemented using widely available commercial services, materials, and equipment. The standard equipment and machinery used for excavation should be readily available. These same considerations apply to the loading and hauling of contaminated soil to an off-Station disposal facility. Once the areas have been excavated, soil would be sampled to confirm that contaminated soil exceeding residential RBCs has been removed. Soil sampling and laboratory analysis would be required to classify the soil prior to disposal and to confirm that all contaminated soil has been removed. The sampling and analysis can be readily implemented using widely available commercial services. Excavation activities are expected to require moderate technical and administrative efforts. Off-Station disposal may require additional administrative effort. Therefore, Alternative 3 is rated moderate to low.

In addition to excavation, Alternatives 4 and 5 include on-site treatment of the contaminated soil. Soil washing would be used to treat the soil under Alternatives 4 and 5, followed by incineration of the contaminated soil fraction. Soil washing, thermal desorption, and incineration are commercially available remediation technologies utilizing equipment that can be transported to, assembled, and operated at the on-site treatment area. However, both of these processes would require significant effort to implement. Treatability studies will be necessary to assure the proper functioning of the treatment equipment. These studies are included in the schedules for all these alternatives. In addition, implementation of soil washing may require obtaining a discharge permit from the local municipal sewer district if spent extracting agent is discharged to the sanitary sewer. Operation of an incinerator would require complying with substantive portions of RCRA resolutions governing incinerators and combustion of waste, although a permit would not be required if treatment takes place entirely on-site. Operation of an incinerator also requires development of a trial burn plan and successful implementation of an approved plan. These considerations make incineration the most difficult treatment technology to implement. Excavation and treatment activities associated with Alternatives 4 and 5 would require significant technical and administrative efforts. Therefore, Alternatives 4 and 5 are both rated low in terms of implementability.

8.7 COST

No cost is associated with Alternative 1. Table 8-2 presents the estimated costs associated with the other four alternatives. These estimated costs range from \$58,800 for Alternative 2 to \$430,200 for Alternative 4. The magnitude of the estimated cost is directly related to the level of treatment and corresponding reduction in risk associated with each alternative.

8.8 STATE ACCEPTANCE

DTSC and RWQCB have reviewed the RI/FS Reports and the Proposed Plan for Site 11 and have indicated that Alternative 3 is acceptable. Alternative 1 is unacceptable to these agencies. DTSC and RWQCB did not comment on the acceptability of Alternatives 2, 4, and 5.

8.9 COMMUNITY ACCEPTANCE

The Proposed Plan has been presented to the community and discussed at a public meeting. The responsiveness summary portion of this ROD addresses the public's comments and concerns about the selected remedy.

8.10 SUMMARY OF COMPARATIVE ANALYSIS

The comparative analysis of alternatives highlights several issues that merit further consideration with regard to selection of an appropriate remedial alternative for shallow soil at Site 11. These considerations focus on the interrelationship between three of the nine evaluation criteria: protection of human health and the environment implementability, and cost. Alternatives that are more protective of human health and the environment or are more difficult to implement are also more costly. However, alternatives that provide the greatest protection of human health and the environment are the most desirable.

Alternative 1 provides essentially no protection of human health and the environment, is relatively easy to implement because no action is taken, and has no associated cost for those reasons. Alternative 2 has the lowest cost of the four remaining alternatives and requires only an average level of effort to implement but is less protective of human health and the environment because the contaminated soil is simply covered by a cap rather than being removed and/or treated. Furthermore, Alternative 2 requires implementation of a long-term monitoring and maintenance program to assure that the integrity of the asphalt cap or monolithic soil cap is maintained throughout its assumed 30-year service life.

No such long-term monitoring or maintenance would be required following implementation of Alternative 3, 4, or 5. Alternatives 3, 4, and 5 all provide the highest degree of protection of human health and the environment by removing and/or treating the contaminated soil. These alternatives also eliminate the need for covenants that would restrict future use of portions of Site 11. Of these three alternatives, Alternative 3 requires the least level of effort to implement and is the least costly.

Section 9

SELECTED REMEDY

The DON has selected Alternative 3 as the remedy for remediation of shallow soil contamination at Site 11 Units 1 and 2. This selection is based on the OU-3A RI/FS Reports and the Administrative Record for Sites 8, 11, and 12, as well as an evaluation of comments submitted by interested parties during the public comment period. Under Alternative 3, the contaminated soil at Site 11 Units 1 and 2 (approximately 233 bank cubic yards) will be excavated and disposed at an appropriate off-Station facility. Because this alternative will remove the contaminated soil responsible for the elevated human-health risk at Site 11 Units 1 and 2 it will not be necessary to implement restrictive covenants or conduct monitoring or periodic reviews of site conditions every 5 years.

No action is necessary at Site 11 Unit 3. The cancer and noncancer risks at this unit are within the range considered allowable by the U.S. EPA.

Once remedial action is complete at Site 11, all portions of this site will be available for unrestricted use. Also, because hazardous substances above health-based levels will not remain on-site, the 5-year review requirements of CERCLA Section 121 (c) are not applicable.

Alternative 3 is believed to provide the best balance of trade-offs among the alternatives with respect to the evaluation criteria. Based on the information available at this time, the DON believes that this alternative meets the threshold criteria of overall protection of human health and the environment and compliance with ARARs. The alternative also offers:

- a high level of performance when assessed against the following NCP evaluation criteria: short-term effectiveness, long-term effectiveness and permanence, and implementability and
- a cost-effective means of accomplishing the remedial action objectives for the site.

Table 9-1 presents the cost estimate for Alternative 3. This estimate was developed in compliance with the NCP and the Remedial Action Costing Procedures Manual (U.S. EPA 1987) using the Remedial Action Cost Engineering and Requirements (RACER) System, Version 3.2. The cost estimate assumes that the alternative can be completed in approximately 1 month. The actual duration of field activities will be determined by the scheduling of field activities and whether field activities can be performed concurrently at both units.

Under Alternative 3, contaminated soil at Site 11 Units 1 and 2 is expected to be removed as follows.

- Site 11 Units 1 and 2 – PCB-contaminated soil throughout the area of Units 1 and 2 will be excavated to a depth of approximately 2 feet bgs (up to 6 feet bgs in a small area of Unit 2).

Table 9-2 presents estimated volumes of soil to be removed at each unit. In cases where the excavations exceed 5 feet deep, OSHA requirements mandate sidewall protection. Use of a 1:1 side slope is expected to be satisfactory in view of the site conditions and would minimize the additional excavation volume. At Site 11, because Building 369 is immediately adjacent to the excavation limits at Unit 2, it may be necessary to provide sidewall protection (e.g., shoring) to assure the integrity of the building.

Table 9-1
Cost Estimate for the Selected Remedy: Excavation and Off-Station Disposal of Contaminated Soil
from Site 11 Units 1 and 2

Description	Cost
Direct costs	
Excavating contaminated soil (233 bcy ^a)	\$4,200
Loading and hauling excavated soil to an off-Station disposal facility ^b (291 lcy ^c)	\$13,700
Disposal at an appropriate off-Station disposal facility ^d (291 lcy/365 tons)	\$17,000
Excavating clean backfill material at on-Station borrow area (291 lcy)	\$1,600
Loading and hauling backfill material from borrow area to Site 11 (291 lcy)	\$1,500
Sampling and analysis (11 soil samples)	\$9,200
Professional labor ^e (project oversight)	\$5,500
Remedial design	\$200
Total direct cost	\$52,900
Indirect costs	
Contractor's indirect, overhead, and profit ^f	\$25,000
Total Indirect Cost	\$25,000
Other costs	
Escalation ^g (January 1995 to midpoint of construction)	\$6,600
Contingency ^h (~20 percent)	\$16,900
Total other costs	\$23,500
Capital cost (as of January 1999, ~9-month construction period)	\$101,400
O&M costs (expressed in present worth dollars)	
Monitoring	not required
Total O&M costs (as of January 1999)	\$0
Total present value (as of January 1999)	\$101,400

Notes:

- ^a bcy – bank cubic yards (in-place volume)
- ^b estimate assumes waste is disposed at Kettleman Hills landfill, approximately 250 miles round trip
- ^c lcy – loose cubic yards (loose [excavated] volume)
- ^d assumes waste is disposed in a Class II waste cell at a Class I landfill
- ^e professional labor costs are computed by an internal Remedial Action Cost Engineering and Requirements (RACER) cost model; the project duration, the project Occupational Safety and Health Administration (OSHA) safety level, complexity of the alternative, and location are factored into an internal estimate of hours, which are converted to a cost based on local labor rates in the RACER database
- ^f these indirect costs are computed by an internal RACER cost model based on the project duration, the project OSHA safety level, complexity of the alternative, and location-specific considerations (local labor rates, taxes, etc., included in the RACER database)
- ^g escalation modifies the costs in the RACER database from January 1995 to the midpoint of the project construction, assumed to be February 1999 for this alternative
- ^h a 20 percent contingency has been added to cover cost increases that may occur as a result of unforeseen conditions and changes that typically occur on remediation projects

Section 9 Selected Remedy

Once the areas have been excavated to the planned depths, soil sampling will be performed to confirm that all of the contaminated soil exceeding RBCs for the chemicals of concern at each area has been removed (Table 7-1) (BNI 1997b). Soil samples will be analyzed for the chemicals of concern for that specific unit.

The contaminated soil from Site 11 Units 1 and 2 will be excavated, characterized, and disposed at an appropriate off-Station facility. Hazardous waste will be managed in accordance with 22 CCR 66262.34.

Upon completion of the removal operations, the excavated areas will be sampled to ensure that contamination has been removed and backfilled and compacted using a comparable volume of clean fill material to return the area to original grade. Soil backfill material is expected to be obtained from an appropriate on-Station or off-Station source.

Table 9-2
Summary of Estimated Areas and Volumes of Contaminated Soil and Pavement

Site/Unit	Length ^a (feet)	Width ^b (feet)	Depth (feet)	Bank Volume ^c (cubic yards)	Remarks
Unit 1	100	5	2	37	The area of the concrete pad that Unit 1 surrounds.
	36	36	2	96	
Unit 2	195	5	2	72	This area is the southwest portion of Unit 2 where PCBs were reported to 4 feet bgs.
	25	4	6	28	
Total for Site 11 Units 1 and 2				233	

Notes:

- ^a length is determined relative to southwest-northeast axis
- ^b width is determined relative to northwest-southeast axis
- ^c the undisturbed, in-place volume; the loose volume of excavated soil is assumed to be 25 percent greater than the bank volume; includes volume associated with provision for 1:1 side slope during excavation

This page left blank intentionally

Section 10**STATUTORY DETERMINATIONS**

Under CERCLA, the DON's primary responsibility is to undertake remedial actions that achieve adequate protection of human health and the environment. In addition, Section 121 of CERCLA establishes several other statutory requirements and preferences. These specify that when complete, the selected remedial action must comply with ARARs established under federal and state laws unless a statutory waiver is justified. The selected remedy also must be cost-effective and use permanent solutions and alternative treatment technologies to the maximum extent practicable. Finally, the statute includes a preference for remedies that, as their principal element, permanently and significantly reduce the volume, toxicity, or mobility of hazardous waste. The following subsections discuss how the selected remedy meets these statutory requirements and preferences. Further details are found in the draft final Phase II OU-3A FS (BNI 1997b).

10.1 PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT

The RAOs developed for Site 11 Units 1 and 2 are:

- prevent ingestion of soil containing site-specific COCs (e.g., pesticides and PCBs);
- prevent direct contact with soil containing COPCs;
- reduce the potential for or prevent the inhalation of airborne particulates containing COPCs; and
- reduce potential threats to the environment including groundwater (and surface water runoff).

The selected remedy (Alternative 3, excavation with off-Station disposal of contaminated soil) meets these objectives by removing the contaminated soil from Site 11 Units 1 and 2. Once the contaminated soil has been removed, exposure pathways at the sites will no longer exist, and an excess cancer risk of approximately 1×10^{-6} and a noncancer hazard index of approximately 1 under the residential scenario will be achieved. Excess cancer risks at Unit 3 are currently less than 10^{-6} , and the noncancer hazard index is currently less than 1. Therefore, no action is required at this unit. Therefore, Alternative 3 provides adequate protection of human health and the environment.

10.2 COMPLIANCE WITH APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Section 121(d) of the CERCLA states that remedial actions at CERCLA sites must, upon completion, attain any federal (or state if more stringent) environmental standards, requirements, criteria, or limitations that are determined to be legal ARARs.

Alternative 3 will be implemented to comply with the substantive portions of all ARARs. The chemical-, location-, and action-specific ARARs for this alternative are discussed below.

10.2.1 Chemical-Specific ARARs

Chemical-specific ARARs are health- or risk-based numerical values or methodologies that, when applied to site-specific conditions, establish the allowable amount or concentration of a chemical that may be found in, or discharged to, the ambient environment. If a chemical has more than one cleanup level, the most stringent level has been identified as an ARAR for this remedial action. Table 10-1 presents the federal and state chemical-specific ARARs.

10.2.1.1 FEDERAL

The preferred remedial action could potentially involve the generation of hazardous waste (e.g., excavated contaminated soil) during the construction phase of the remedial action. Substantive provisions of the federally authorized RCRA program implemented in the state of California require that these wastes be characterized to determine if they are hazardous. Potential federal regulations for waste characterization ARARs include Title 22 *California Code of Regulations* [CCR] Sections 66261.21, 66261.22(a)(1), 66261.23, 66261.24(a)(1), and 66261.100. If, based on the above determination, wastes are determined to be RCRA hazardous waste, then hazardous waste accumulation, storage, and disposal requirements would be applicable.

10.2.1.2 STATE

State of California regulations related to the identification of non-RCRA hazardous waste are potentially applicable to the preferred remedial action. These regulations include 22 CCR Sections 66261.22(a)(3) and (4), 66261.24(a)(2) to (a)(8), 66261.101, 66261.3(a)(2)(C) or 66261.3(a)(2)(F). If, based on the above determination, wastes are determined to be non-RCRA hazardous waste, then hazardous waste accumulation, storage, and disposal requirements would be applicable.

10.2.2 Location-Specific ARARs

No federal or state location-specific ARARs were identified for Alternative 3.

10.2.3 Action-Specific ARARs

Action-specific ARARs are technology- or activity-based requirements or limitations for remedial activities. These requirements are triggered by the particular remedial activities conducted at the site. Remedial activities associated with Alternative 3 include activities that have the potential to generate air contaminants, particulate matter, and hazardous waste. Table 10-2 discusses action-specific ARARs.

A comprehensive evaluation of the ARARs for Site 11 is presented in the draft final OU-3A FS Report (BNI 1997b).

**Table 10-1
Chemical-Specific ARARs for Selected Remedy**

Action/Requirement	Citation	ARAR Determination	Comments
FEDERAL			
Resource Conservation and Recovery Act*			
Definition of RCRA hazardous waste; TCLP regulatory levels.	22 CCR 66261.21, 66261.22(a)(1), 66261.23, 66261.24(a)(1), and 66261.100	Applicable	Hazardous waste determinations are needed because waste is being generated for treatment or disposal.
STATE			
Cal-EPA Department of Toxic Substances Control*			
Definition of "no. -RCRA hazardous waste"; persistent and bioaccumulative toxic substances TTLCs and STLCs.	Title 22 CCR 66261.22(a)(3) and (4), 66261.24(a)(2) to (a)(8), 66261.101, 66261.3(a)(2)(C) or 66261.3(a)(2)(F)	Applicable	Non-RCRA hazardous waste determinations are needed because waste is being generated for treatment or disposal.

Notes:

- * Statutes and policies, and their citations, are provided as headings to identify general categories of potential ARARs for the convenience of the reader. Listing the statutes and policies does not indicate that the DON accepts the entire statutes or policies as potential ARARs. Specific potential ARARs are addressed in the table below each general heading; only substantive requirements of specific citations are considered potential ARARs.
- Many potential action-specific ARARs contain chemical-specific limitations and are addressed in the action-specific ARAR tables.

Acronyms

ARAR – applicable or relevant and appropriate requirement
CCR – *California Code of Regulations*
RCRA – Resource Conservation and Recovery Act.
STLC – soluble threshold limit concentration
TCLP – toxicity characteristics leaching procedure

**Table 10-2
Action-Specific ARARs for Selected Remedy**

Action/Requirement	Citation	ARAR Determination	Comments
FEDERAL			
Resource Conservation and Recovery Act*			
On-site waste generation. Person who generates waste shall determine if that waste is a hazardous waste.	22 CCR 66262.10(a), 66262.11	Applicable	Applicable for any operation where waste is generated. The determination of whether wastes generated during remedial actions are hazardous will be made as wastes are excavated.
Hazardous waste accumulation. Generator may accumulate waste on-site for 90 days or less or must comply with requirements for operating a storage facility.	22 CCR 66262.34	Applicable	Substantive requirements are applicable for accumulation of wastes for less than 90 days if the waste is hazardous waste and is stored on-site. Storage of wastes for greater than 90 days is not pertinent to the remedial actions.
Containers of RCRA hazardous waste must be: - maintained in good condition, - compatible with hazardous waste to be stored, and - closed during storage except to add or remove waste.	22 CCR 66264.171, 172, 173	Relevant and appropriate	Substantive requirements are relevant and appropriate for accumulation of wastes for less than 90 days if the waste is hazardous waste and is stored on-site in containers. Storage of wastes for greater than 90 days is not pertinent to the remedial actions.
Inspect container storage areas weekly for deterioration.	22 CCR 66264.174	Relevant and appropriate	See above comment.
Place containers on a sloped, crack-free base, and protect from contact with accumulated liquid. Provide containment system with a capacity of 10 percent of the volume of containers of free liquids. Remove spilled or leaked waste in a timely manner to prevent overflow of the containment system.	22 CCR 66264.175(a) and (b)	Relevant and appropriate	Substantive requirements are relevant and appropriate for accumulation of wastes for less than 90 days if the waste is hazardous waste and is stored on-site in containers. Storage of wastes for greater than 90 days is not pertinent to the remedial actions.

(table continues)

Table 10-2 (continued)

Action/Requirement	Citation	ARAR Determination	Comments
At closure, remove all hazardous waste and residues from the containment system, and decontaminate or remove all containers and liners.	22 CCR 66264.178	Relevant and appropriate	Substantive requirements are relevant and appropriate for accumulation of wastes for less than 90 days if the waste is hazardous waste and is stored on-site in containers. Storage of wastes for greater than 90 days is not pertinent to the remedial actions.
Clean Closure. Removal or decontamination of all waste residues, contaminated containment system components, contaminated subsoils, and structures and equipment contaminated with waste and leachate, and management of them as hazardous waste.	22 CCR 66264.111	Relevant and appropriate	Substantive requirements are relevant and appropriate for clean closure determination.
PCB Cleanup Levels. The cleanup level for bulk PCB remediation waste in high occupancy areas is less than or equal to 1 ppm without further conditions.	40 CFR 761.61	Relevant and appropriate	The cleanup level established for this remedial action is less than 1 ppm.
Criteria for Off-Site Disposal Rule, 40 CFR 300.440			
Off-site transfer of any hazardous substance, pollutant, or contaminant as defined under CERCLA that is conducted by U.S. EPA, states, private parties, or other federal agencies that is taken pursuant to any CERCLA authority, including cleanups at federal facilities under Section 120 of CERCLA, must only be made to a facility deemed by U.S. EPA to be in compliance with 40 CFR 300.440.	40 CFR 300.440(a)(1)(3) and (4)	Applicable	Substantive requirements pertaining to the identification of an acceptable treatment, storage, or disposal facility deemed by U.S. EPA to be in compliance with 40 CFR 300.440 are applicable for remedial action alternatives involving the off-site disposal of waste.
STATE			
South Coast Air Quality Management District			
Visible emissions standard prohibiting discharge into the atmosphere that exceeds standards for darkness or capacity during any 1-hour period.	SCAQMD Rule 401	Applicable	Grading and excavation activities could produce visible emissions due to fugitive dust. Mitigation measures, such as wetting the soil or waste, may be required to meet requirements.

(table continues)

Table 10-2 (continued)

Action/Requirement	Citation	ARAR Determination	Comments
Fugitive dust may not be discharged to the atmosphere in amounts that exceed standards during any 1-hour period.	SCAQMD Rule 403	Applicable	Fugitive dust emissions of particulate matter are expected from the excavation and waste handling. Measures will be taken during construction to control fugitive dust emissions.

Notes:

- Statutes and policies, and their citations are provided as headings to identify general categories of potential ARARs for the convenience of the reader. Listing the statutes and policies does not indicate that the Department of the Navy accepts the entire statutes or policies as potential ARARs. Specific potential ARARs are addressed in the table below each general heading; only substantive requirements of the specific citations are considered potential ARARs.

Acronyms:

ARAR – applicable or relevant and appropriate requirement
 CCR – *California Code of Regulations*
 CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
 CFR – *Code of Federal Regulations*
 RCRA – Resource Conservation and Recovery Act
 SCAQMD – South Coast Air Quality Management District
 PCB – polychlorinated biphenyl
 ppm – parts per million
 U.S. EPA – United States Environmental Protection Agency

Section 10 Statutory Determinations

10.2.3.1 FEDERAL

The preferred remedial action will involve generation of on-site waste. Substantive portions of the federally authorized RCRA program in the state of California for on-site waste generation are potentially applicable. These include 22 CCR Sections 66262.10(a) and 66262.11. The determination of whether waste generated during remedial actions is hazardous will be made as wastes are excavated. Excavated waste classified as RCRA hazardous waste will be accumulated in accordance with 22 CCR Section 66262.34 (hazardous waste accumulation) and containerized for storage or transport in compliance with 22 CCR Section 66264.171-174 and 175(a) and (b). At closure, storage containers will be decontaminated in accordance with 22 CCR Section 66264.178. The remedial action will also comply with clean closure regulations to the extent necessary to protect human health and the environment in accordance with 22 CCR Section 66264.111. Requirements in 22 CCR 66264.111, 66264.171 to 66264.175, 66264.178, 66264.251, and 66264.178 are relevant and appropriate rather than applicable for the remedial action at Site 11 because 22 CCR 66264.1 states that these requirements are not applicable to a generator accumulating waste on-site in compliance with 22 CCR 66262.34.

LDRs contained in 22 CCR 66268.40 are not triggered by this action because the wastes will not be "placed" outside the area of contamination.

After the soil has been excavated, it will be sampled and characterized for disposal. The characterized waste will be disposed accordingly at an appropriate U.S. EPA-certified landfill facility in accordance with 40 CFR Section 300.440(a)(1)(3) and (4) (also referred to as the "off-site rule"). The off-site rule requires that wastes from a CERCLA remedial or removal action be disposed at a U.S. EPA-certified treatment, storage, or disposal facility appropriate for the type or classification of waste being managed.

COCs at Site 11 Units 1 and 2 include PCBs. The primary federal ARARs for treating or managing PCB-contaminated material derive from the Toxic Substances Control Act (TSCA) and the Resource Conservation and Recovery Act (RCRA). In addition, the PCB Spill Policy is "to be considered" guidance for determining cleanup levels at a site.

PCB disposal regulations are promulgated under the authority of TSCA Section 6(e) and codified in 40 CFR Part 761. The TSCA PCB regulations of importance to Superfund actions are found in 40 CFR Section 761.60 – 761.79, Subpart D: Storage and Disposal. These regulations require that soil contaminated with PCBs at concentrations of 50 ppm or greater be disposed in an incinerator, treated by an equivalent method, or disposed in a chemical waste landfill. TSCA requirements are not applicable for the remedial actions being taken at Site 11 because the maximum concentrations of PCBs reported at these sites are less than 50 ppm; however, TSCA cleanup goals contained in 40 CFR 761.61(a)(4)(i)(A) are considered relevant and appropriate because the chemicals present at Site 11 Units 1 and 2 are the same as those regulated by TSCA. 40 CFR 761.61(a)(4)(i)(A) establishes a cleanup level for bulk PCB remediation waste in high

occupancy areas of less than or equal to 1 ppm without further conditions (i.e., unrestricted use). The risk-based cleanup level selected for this remedial action is 0.0308 ppm, which is within the range of cleanup levels allowed by the TSCA regulation.

Liquid RCRA hazardous wastes contaminated with PCBs at concentrations greater than 50 ppm are subject to LDR standards at 40 CFR 268. The LDRs require that prior to placing this material on the land, it must be incinerated unless a treatability variance is obtained. LDRs at 40 CFR 268 are not applicable to PCB-contaminated soil at Site 11 because the PCB concentrations are lower than the regulatory thresholds.

The PCB Spill Cleanup Policy was published in 40 CFR 761.120 – 761.139 on 02 April 1987 and describes the level of cleanup required for PCB spills occurring after 04 May 1987 (the effective date). Because it is not a regulation and applies to recent spills (reported within 24 hours of occurrence), the spill policy is not an ARAR for Superfund response actions. However, as a codified policy representing substantial scientific and technical evaluation it is “to be considered” in developing cleanup levels for Site 11. The spill policy establishes a cleanup level of 1 ppm for soil contaminated by PCB spills. The cleanup level for PCB selected for this cleanup action is based on an excess cancer risk of 1×10^{-6} and is more conservative than the cleanup level allowed by the PCB Spill Cleanup Policy.

10.2.3.2 STATE

PCBs are a state-listed waste per Appendix X of Title 22 CCR Section 66261. As noted in Section 10.2.1.2, PCB-contaminated soil will be characterized to determine if it is a non-RCRA hazardous waste in accordance with 22 CCR 66261.22(a)(3) and (4), 66261.24 (a)(2) through (a)(8), 66261.101, 66261.3(a)(2)(C) or 66261.3(a)(2)(F). PCB-contaminated soil will be assumed to be hazardous until and unless characterization of the waste shows it to be nonhazardous.

Certain South Coast Air Quality Management District (SCAQMD) rules and regulations are potential state ARARs for air emissions. Fugitive dust emissions are expected for the soil excavation and storage as part of the remedial action alternatives. The substantive provisions of SCAQMD Rules 401 and 403 are ARARs for these fugitive dust emissions.

10.3 COST-EFFECTIVENESS

Alternative 3, the selected remedy for Site 11 Units 1 and 2 has been determined to provide overall effectiveness proportional to its costs; it is therefore considered cost-effective. The estimated net present-worth cost for this remedial action is approximately \$101,400. Technologies included in this remedy are readily implementable and have been widely used and demonstrated to be effective.

Section 10 Statutory Determinations

10.4 UTILIZATION OF PERMANENT SOLUTIONS AND ALTERNATIVE TREATMENT TECHNOLOGIES (OR RESOURCE RECOVERY TECHNOLOGIES) TO THE MAXIMUM EXTENT PRACTICABLE

The DON has determined that the selected remedy represents the maximum extent practicable to which permanent solutions and alternative treatment technologies can be used in a cost-effective manner at Site 11 Units 1 and 2. The remedy is protective of human health and the environment and complies with all ARARs. The contaminants at Site 11 Units 1 and 2 will be removed, resulting in residual levels that equate to an excess cancer risk of approximately 10^{-6} and a noncancer hazard index of approximately 1 for the residential scenario. Alternative 3 is readily implementable using standard equipment and methods.

10.5 STATUTORY PREFERENCE FOR TREATMENT AS A PRINCIPAL ELEMENT

CERCLA Section 121(b) identifies a statutory preference for alternatives that utilize treatment to reduce the toxicity, mobility, or volume of contamination. Although Alternative 3 does not treat the contaminated soil to remove the contaminants at Site 11 Units 1 and 2, the contaminated soil will be removed from the sites and transported to an appropriate off-Station disposal facility. Excavation and removal of the contaminated soil from Site 11 Units 1 and 2 will reduce the volume of contaminants at that site.

Alternatives 4 and 5 provide for the treatment of the contaminants in the soil at Site 11 Units 1 and 2. However, these alternatives are not cost-effective when compared to the selected remedy, nor do they reduce the risks any more than Alternative 3. Alternative 4 provides for excavation of contaminated soil, on-site soil washing, on-site incineration, and off-Station disposal of incineration residuals at a Class I landfill. This alternative is approximately 3 times more expensive (approximately \$430,000) than Alternative 3 (approximately \$101,400). Although Alternative 4 would treat the contaminated soil, it is likely the incineration residuals produced (to be disposed in an off-site landfill) would be more toxic than the excavated soil. The soil washing/incineration equipment will require treatability studies and, in addition, it is expected that public support for these types of technologies would be more difficult to obtain.

Alternative 5 also provides for the treatment of the contaminated soil at Site 11 Units 1 and 2. Under this alternative, contaminated soil would be treated via a soil washing system and the contaminated portion of the soil would be disposed at an off-Station Class I Landfill. It is likely that the contaminated soil disposed off-Station would be more toxic than the excavated soil. In addition, the cost of this alternative (approximately \$134,000) is more expensive than Alternative 3.

In summary, the most decisive factors in support of Alternative 3 are the following.

- Alternative 3 results in the same risk reduction as Alternatives 4 and 5, which provide for treatment of the contaminated soil.
- Alternative 3 is the least expensive of the alternatives that provide permanent risk reduction.
- Residual treatment products resulting from implementation of Alternatives 4 and 5 would likely be more toxic than contaminated soil present at the sites.
- It would be necessary to dispose of residual treatment products (produced during implementation of Alternatives 4 and 5) in an off-Station landfill.

10.6 APPLICABILITY OF FIVE-YEAR REVIEW

Alternative 3 will remove contaminated soil from Site 11, resulting in excess cancer risk reduction to a level of approximately 10^{-6} and a noncancer hazard index of approximately 1 under the residential scenario. Because wastes will not be left in place and risks will be within the range considered acceptable by U.S. EPA, the 5-year review requirements of CERCLA Section 121(c) are not applicable following implementation of this alternative.

Section 11**DOCUMENTATION OF SIGNIFICANT CHANGES**

The Proposed Plan for Sites 8, 11, and 12 was released for public comment in May 1999. The Proposed Plan identified Alternative 3, excavation, with recycling of the excavated soil as cover material at the on-Station Sites 2 and 17 landfills, as the preferred alternative for contaminated portions of Site 11. Off-Station disposal of contaminated soil was also presented as a disposal option in the Proposed Plan. The DON has elected to dispose of contaminated soil from Site 11 at an appropriate off-Station disposal facility. Selection of this disposal option raises the estimated cost of Alternative 3 from approximately \$65,300 (as presented in the FS report) to approximately \$101,400 (as presented in this ROD). However, this change does not require a new Proposed Plan or public comment period, because the option to dispose of contaminated soil off-Station was presented to the public in the Proposed Plan. The selection of this option is therefore considered a logical outgrowth of the information made available to the public in the Proposed Plan and requires only documentation in the ROD (U.S. EPA 1989).

The Proposed Plan addressed 3 sites: Site 8, Site 11, and Site 12. Since the Proposed Plan and Draft ROD were issued, DON has decided to remove Sites 8 and 12 from the draft final ROD. This decision was made to allow time to perform a radiological survey of Sites 8 and 12 and to evaluate the impact of the survey results on the preferred remedial alternative for these sites. A separate ROD will be issued for Sites 8 and 12. This does not represent a significant change because deleting Sites 8 and 12 from this ROD does not impact the remedy selected for Site 11. Any changes to the preferred remedy for Sites 8 and 12 that result from the radiological investigation of these sites will be addressed under the documentation of significant changes portion of the ROD for Sites 8 and 12.

This page left blank intentionally

Section 12

REFERENCES

- Bechtel National, Inc. 1995. Final Work Plan Phase II Remedial Investigation/Feasibility Study. Marine Corps Air Station El Toro, California.
- . 1996a. Final Technical Memorandum, Background and Reference Levels, Remedial Investigation, Marine Corps Air Station, El Toro, California. October.
- . 1996b. Final Updated Community Relations Plan, Marine Corps Air Station El Toro, CA.
- . 1997a. Draft Final Phase II Remedial Investigation Report, Operable Unit 3A. Marine Corps Air Station El Toro, CA.
- . 1997b. Draft Final Phase II Feasibility Study Operable Unit 3A Sites. Marine Corps Air Station El Toro, CA.
- . 1998. Draft CERCLA Groundwater Monitoring Plan, Marine Corps Air Station, El Toro, California. July.
- BNI. *See* Bechtel National, Inc.
- Brown and Caldwell. 1986 Initial Assessment Study of Marine Corps Air Station El Toro, California. CLE-C01-01F018-A2-016.
- California Regional Water Quality Control Board. 1995. Water Quality Control Plan. Santa Ana River Basin (8).
- Camp Dresser and McKee, Inc. 1998. Draft Groundwater Monitoring Report October 1997 Sampling Round, MCAS El Toro.
- CDM. *See* Camp Dresser and McKee, Inc.
- DON. *See* United States Department of the Navy.
- Federal Facilities Agreement. 1990. Federal Facility Agreements between the U.S. Marine Corps, U.S. EPA Region IX, California Department of Health Services, and State Water Resources Control Board.
- Herndon, R.L., and J.F. Reilly. 1989. Phase I Report – Investigation of TCA Contamination in the Vicinity of the Marine Corps Air Station El Toro. Prepared for the Orange County Water District.
- Jacobs Engineering Group, Inc. 1993a. Marine Corps Air Station El Toro: Installation Restoration Program Phase I Remedial Investigation Draft Technical Memorandum.
- . 1993b. Marine Corps Air Station El Toro: Installation Restoration Program Final RCRA Facility Assessment Report.
- . 1994a. Marine Corps Air Station El Toro: Installation Restoration Program Draft Remedial Investigation Report for Operable Unit 1.
- . 1994b. Installation Restoration Program Remedial Investigation/Feasibility Study Draft Soil Gas Technical Memorandum Sites 24 and 25, Irvine, CA.

-
- . 1994c. Interviews with active and retired personnel From MCAS El Toro, conducted by Jacobs Engineering Group, Incorporated, Contract Task Order No. 284. Irvine, CA.
- . 1996. Marine Corps Air Station El Toro Installation Restoration Program, Draft Final Remedial Investigation/Feasibility Study Report. August.
- James M. Montgomery Engineers, Inc. 1988. MCAS El Toro and Tustin Site Inspection Plan of Action.
- . 1990. Marine Corps Air Station El Toro Off-Station Remedial Investigation Final Work Plan.
- JMM. *See* James M. Montgomery Engineers, Inc.
- Marine Corps Air Station El Toro. 1991. The Environmental Cleanup of Marine Corps Air Station El Toro. Facilities Management Department, U.S. Marine Corps Air Station El Toro, Santa Ana, CA.
- Marine Corps Air Station El Toro Local Redevelopment Authority. 1996. MCAS El Toro Community Reuse Plan. August.
- MCAS El Toro. *See* Marine Corps Air Station El Toro.
- SSPORTS. *See* Supervisor of Shipbuilding, Portsmouth, Virginia.
- Supervisor of Shipbuilding, Portsmouth, Virginia. 1999. Draft Historical Radiological Assessment (HRA), Marine Corps Air Station, El Toro. May.
- United States Department of the Navy. 1997. Navy/Marine Corps Installation Restoration Manual.
- United States Environmental Protection Agency. 1987. Data Quality Objectives for Remedial Response Activities Development Process. Quality Management Office.
- . 1989. Guidance on Preparing Superfund Decision Documents: the Proposed Plan, the Record of Decision, Explanation of Significant Differences, the Record of Decision Amendment. Office of Emergency and Remedial Response. EPA/540/G-89/007. July.
- U.S. EPA. *See* United States Environmental Protection Agency.

RESPONSIVENESS SUMMARY

**RESPONSE TO WRITTEN COMMENTS
RECEIVED DURING THE PUBLIC COMMENT PERIOD**

RESPONSIVENESS SUMMARY
MARINE CORPS AIR STATION – EL TORO, CALIFORNIA
PROPOSED PLAN, OPERABLE UNIT 3, SITES 8, 11, AND 12

Letters Received During Public Comment Period

Comments by: *Courtney C. Wiercioch, Manager, MCAS El Toro Master Development Program, in a Letter Dated 07 June 1999*

Number	Comments	Response
1A	<p>The review of the Proposed Plan for Sites 8, 11, and 12 raises a number of questions. Obtaining a response to these questions would help the Local Redevelopment Agency (LRA) in evaluating the compatibility of this Proposed Plan with anticipated reuse for Sites 8, 11, and 12 and Sites 2 and 17. These questions are listed below.</p> <p>DON/USMC proposes to use the contaminated soil excavated from Sites 8, 11, and 12 that is not hazardous, but that exceeds action levels for Site 8, 11, and 12 as foundation material for the landfill caps at two inactive on-station landfills (Sites 2 and 17). See Proposed Plan at 7. We are not aware that use of contaminated soil from Sites 8, 11, and 12 as part of the foundation material for the cover of Sites 2 and 17 was considered in the Sites 2 and 17 Feasibility Studies and Proposed Plan. While use of this contaminated soil as part of the foundation material for the cover of Sites 2 and 17 was mentioned in the Site 2 and 17 draft Record of Decision (ROD), no technical analysis appears to have been provided in support of this proposal. A number of concerns exist with respect to use of contaminated soils from Sites 8, 11, and 12 as part of the foundation material for the cover of Sites 2 and 17 as indicated below:</p> <ul style="list-style-type: none"> • What additional features or modification will DON/USMC include in the closure design for Sites 2 and 17 to protect human health and the environment from the disposal of contaminated soil in Sites 2 and 17? 	<p>Response: The Proposed Plan allows for an alternate disposal scenario for the excavated nonhazardous soil (off-site disposal at an appropriate off-Station facility). The DON has chosen to use the alternate disposal scenario and will dispose of the nonhazardous, contaminated soil excavated from Site 11 at an appropriate off-Station facility. No soil will be recycled at Landfill Sites 2 and 17.</p> <p>The disposal of excavated soil from Sites 8 and 12 will be addressed in a separate ROD. The DON also intends to dispose of soil from these sites at an appropriate off-Station facility.</p>
1B	<ul style="list-style-type: none"> • DON/USMC indicates that no increase in risk will occur at the landfill sites as a result of disposal of contaminated soil at Sites 2 and 17. See Draft ROD at 7-9. Has DON/ USMC quantified this risk? If so, could DON/USMC provide this risk assessment to the LRA for review? 	<p>Response: Please see the response to Comment 1A.</p>

Letters Received During Public Comment Period		
Number	Comments	Response
1C	<ul style="list-style-type: none"> Has DON/USMC considered and quantified potential additional impacts to groundwater as a result of disposal of contaminated soil at Sites 2 and 17? 	Response: Please see the response to Comment 1A.
1D	<ul style="list-style-type: none"> Has DON/USMC considered and quantified potential additional settlements that could result from the added mass of soil disposed of at Sites 2 and 17? 	Response: Please see the response to Comment 1A.
1E	<ul style="list-style-type: none"> Disposal of contaminated soil is not generally approved by regulatory agencies at unlined landfills. What would be the regulatory status of the excavated soils that DON/USMC proposes to use at Sites 2 and 17 (e.g., special waste? designated waste?). Has DON/USMC received approval from any regulatory agencies for disposal of contaminated soil at Sites 2 and 17? 	Response: Please see the response to Comment 1A.
1F	<ul style="list-style-type: none"> Will disposal of contaminated soil at Sites 2 and 17 change the regulatory status of Sites 2 and 17? Stated alternatively, would these sites be considered active disposal sites and be subject to permitting, design, construction, monitoring, and closure requirements different from the applicable or relevant and appropriate requirements considered thus far by DON/USMC? What regulations and/or requirements would apply if Sites 2 and 17 are considered "active" landfill sites as a result of the placement of contaminated soils from Sites 8, 11, and 12? What is the position of the regulatory agencies with respect to this issue? 	Response: Please see the response to Comment 1A.
1G	<ul style="list-style-type: none"> DON/USMC mentions other appropriate off-station disposal alternatives for the contaminated soil. See Proposed Plan at 6 and 7. Could DON/USMC provide more detailed information regarding these other off-station disposal alternatives for the contaminated soil? 	Response: Please see the response to Comment 1A. Off-station disposal will be at an appropriate facility that is licensed/permited to accept the nonhazardous, contaminated soil that is excavated from Site 11.

Letters Received During Public Comment Period		
Number	Comments	Response
1H	<p>DON/USMC proposes to excavate soils at Sites 8, 11, and 12 until it confirms that all the contaminated soil that could cause an unacceptable risk to human health has been removed. See Proposed Plan at 7. This statement raises a number of questions as follows:</p> <ul style="list-style-type: none"> • Could DON/USMC clarify what it considers an unacceptable risk for exposure for the soil remaining at these three sites? What risks determinations or soil cleanup levels will be made or established by DON/USMC before the field work starts? 	<p>Response: Cleanup levels for soil are provided in the Operable Unit (OU)-3 Feasibility Study Report and in Table 7-1 of the OU-3A Site 11 ROD. These levels are based on a residential risk of 10^{-6} (one additional cancer incident in a population of one million). For example, concentrations of PCBs in soils of 0.03 mg/kg or lower, correspond to an excess cancer risk of 10^{-6}, which is considered allowable by the U.S. EPA.</p>
1I	<ul style="list-style-type: none"> • How will the unacceptable risk be calculated and evaluated in the field as excavation of the contaminated soil proceeds? 	<p>Response: The field sampling and analysis for the remedial action will be developed during the remedial design phase and presented in the Remedial Action Plan. Once the cleanup levels in the OU-3A ROD are attained, the residential risk level of 10^{-6} will be achieved.</p>
1J	<ul style="list-style-type: none"> • On page 5 of the Proposed Plan, DON/USMC presents a site-by-site Summary of Risk Assessment and Recommended Actions. For Unit 2 of Site 11 (for which the cancer risk is 6 additional cases for 1,000,000 and the noncancer risk is 0.3), DON/USMC will perform remedial action by removal of the contaminated soil. However, for Units 1, 2, 3, and 4 of Sites 8 and Units 1, 2, and 4 of Site 12, each of which exhibits a higher risk than Unit 2 of Site 11 (the cancer risk ranges from 20 to 80 additional cases for 1,000,000 and the noncancer risk ranges from 0.79 to 4.6), DON/USMC recommends no further action. Could DON/USMC clarify what is the risk beyond which remedial action will be implemented at the sites and what is the decision making process to perform remedial action at the sites? 	<p>Response: As shown on page 5 of the Proposed Plan, excess cancer risks at Sites 8, 11, and 12 vary from a high of 1 additional case in 10,000 to a low of 3 additional cases in 10,000,000. These risks are within the range considered generally allowable by the U.S. EPA, even without remediation. The decision of whether to remediate individual units at these sites is a risk-management decision that is based on the magnitude of the risk, extent of contamination, and the potential for migration. Further action is recommended for Site 11 Unit 2 even though the excess cancer risk is less than units recommended for no further action at Sites 8 and 12 because there is a potential for the PCBs at Site 11 Unit 2 to migrate off-site. Unit 2 is a drainage ditch that extends from the concrete pad (source of the contamination) to an adjacent street. Contaminants at other units are less likely to migrate off-site due to their physical location and chemical characteristics.</p>
1K	<ul style="list-style-type: none"> • Will DON/USMC define action levels for each chemical compound detected and/or likely to be present at the site (i.e., chemical-specific maximum allowable concentration that could remain in the soil at Sites 8, 11, and 12)? If so, how will these levels be defined? 	<p>Response: Please see the response to Comment 1H. Action levels have been established for all compounds contained in units that require cleanup. The action levels are based on an excess cancer risk of 10^{-6}.</p>

Letters Received During Public Comment Period		
Number	Comments	Response
1L	<ul style="list-style-type: none"> What would these action levels be? 	Response: The action levels are presented in the OU-3 Feasibility Study Report and in Table 7-1 of the OU-3A ROD.
1M	<ul style="list-style-type: none"> Are these action levels site-specific? 	Response: Yes, these levels are site-specific.
1N	<ul style="list-style-type: none"> Are there base-wide applicable action levels for various chemicals of [concern]? 	Response: No, basewide action levels have not been developed.
1O	DON/USMC proposes to collect and test samples once the excavation is complete to confirm that all the contaminated soil that could cause an unacceptable risk to human health has been removed. See Proposed Plan at 7. How many samples will be collected, how will they be tested, and what will be the approach to develop the sampling plan to confirm that all the contaminated soil that could cause an unacceptable risk to human health has been removed from Sites 8, 11, and 12?	Response: The confirmation sampling plan will be developed at the time of the remedial design and will be submitted to the LRA and the regulatory agencies for review. The number of samples to be collected and the method of analysis to be used will be defined in the sampling plan.
1P	DON/USMC proposes to backfill the excavated areas using clean, compacted fill materials as appropriate. See Proposed Plan at 7. What will be the origin of the backfill material? Will the backfill material be tested in a laboratory to confirm that it is not contaminated? What will be the degree of compaction to which the backfill material will be compacted in the field?	Response: The DON will determine the source of the clean fill material during the remedial design phase (most likely from a commercial vendor). On-Station material may be tested in a laboratory to confirm that it is not contaminated, depending on the history of the borrow area. Although the specifications for compaction of fill material will be determined in the remedial design phase, it is likely that the back-filled soil will be compacted to 90 percent relative compaction or greater based on ASTM D1557-91.
1Q	DON/USMC proposes to no restrictive covenants or monitoring for Sites 8, 11, and 12 because contamination will be removed from the sites. See Proposed Plan at 7. Will there be any types of restriction on site use, any institutional controls, any site specific requirements for any construction, or restriction on excavation of soil at Sites 8, 11, and/or 12 once remediation is complete?	Response: There will be no restrictive covenants on Site 11 because of the contamination in soil. However, Site 11 overlies a plume of contaminated groundwater that originates at Site 24 (Site 11 is contained in Site 24). Restrictions may be necessary to prohibit drilling of wells and/or extraction of groundwater and to allow access for groundwater monitoring and maintenance of equipment associated with groundwater remediation. These restrictions will be addressed in the Proposed Plan and ROD for OU-1 and -2A rather than in the Site 11 ROD.

Letters Received During Public Comment Period		
Comments by: Charles R. Bennett, Ph.D., Community Cochair of the MCAS El Toro Restoration Advisory Board, in a Letter Dated 07 June 1999		
Number	Comments	Response
2A	<p>For the Sites 8, 11, and 12</p> <p>A. The concept of the chosen preferred Remedy of Alternative 3 is a sound one. That 25,000 cubic yards of contaminated soil are to be excavated and used as foundation layer in one of the larger on-Station landfills that are being capped, is an efficient proposal and is to be encouraged. This is a cost effective remedy.</p>	<p>Response: Thank you. Please see the responses to the following comments for changes to the preferred remedy.</p>
2B	<p>B. One concern of this remedy, however, is that during the design and implementation phase of this remedy, the excavated material will exacerbate the landfill to which the material is to be conveyed. I urge that during the design phase, sufficient concern be made of future impacts to the destination landfill. These possible impacts would include: 1) the risk of excessive, future erosion conditions and 2) the land uses that may occur in the vicinity of the destination landfill.</p> <p>Will these concerns be addressed during the design and implementation phase of this remediation?</p>	<p>Response: The potential for future erosion and land uses that could impact the landfill will be addressed in the ROD for Sites 2 and 17 and will also be considered during the design and implementation phase for these sites.</p> <p>The Proposed Plan allows for an alternate disposal scenario for the excavated nonhazardous soil (off-site disposal at an appropriate off-Station facility). The DON has chosen to use the alternate disposal scenario and will dispose of the nonhazardous, contaminated soil excavated from Site 11 at an appropriate off-Station facility. No soil will be recycled at Landfill Sites 2 and 17. Disposal of soil from Sites 8 and 12 will be addressed in a separate ROD. The DON also intends to dispose of soil from these sites at an appropriate off-Station facility.</p>
2C	<p>Specifically regarding the excavation of Unit 5 of Site 8, there may be a significantly low estimate of the cost of this remedy, based upon information that has been supplied to the public. An estimated cost of \$1.2M has been made for Site 8 (this also includes both Units 3 and 5), with Unit 5 having an estimated volume of 18,500 cubic yards of materials to be excavated. This computes to a cost of less than \$65 per cubic yard for Unit 5. Contrast this with the estimate that Craig Carlisle of the Bechtel Corporation made in 1996 regarding Site 5, when the same concept was reviewed for excavating and consolidating Site 5 materials. In that case an estimated cost exceeded \$7M for an estimated volume of 30,000</p>	<p>Response: The cost estimates for Sites 8, 11, and 12 differ from those for Site 5 because of the complexity of the excavation and the amount of hazardous waste that is anticipated to be generated and to require off-Station disposal.</p> <p>The reason for the difference in cost is the uncertainty of what may be found at Site 5 and the depth to which excavation will be necessary. At Site 8 Units 3 and 5 it has been estimated that the soil will be excavated to a depth of approximately 4 feet below ground surface. The soil to be excavated is assumed to be nonhazardous. At Site 5, the excavation will extend over 15 feet below ground surface. In addition, some of this soil</p>

Letters Received During Public Comment Period		
<i>Comments by: Jim A. Bartel, U.S. Fish and Wildlife Service, in a Letter Dated 15 June 1999</i>		
Number	Comments	Response
	<p>cubic yards. This computes to a cost of over \$233 per cubic yard for Site 5. That these two estimates are in such sharp contrast strongly suggests that one or both of these estimates is in grave error. Thus, either Unit 5 consolidation could eventually cost \$4.8M rather than \$1.2M, or Site 5 consolidation would have cost \$1.8M rather than \$7M.</p> <p>Can the DON reconcile these contradictory estimates?</p>	<p>is expected to be hazardous. There will be greater cost per cubic yard associated with excavating and consolidating landfill materials at Site 5 than excavating nonhazardous soil at Site 8. These facts account for the cost difference between the estimates at these two sites.</p>
3A	<p>Thank you for providing us with the Department of the Navy's (DON) Proposed Plan for Cleanup at Three Shallow Soil Sites at Marine Corps Air Station (MCAS) El Toro, Orange County, California. The proposed plan outlines the preferred remedy for Sites 8, 11, and 12. These sites are located on MCAS property but are not within the acreage proposed for transfer to the U.S. Fish and Wildlife Service (Service).</p> <p>Site 8 is a former Defense Reutilization and Marketing Office (DRMO) Storage Area. Portions of the DRMO storage area have since been paved. A portion of the remaining unpaved area was used to store electrical transformers and is the site of the release of transformer oil containing PCBs. Contaminants at Site 8 include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), PCBs, pesticides, petroleum hydrocarbons, and naturally occurring metals. Site 11 was a transformer storage area. Pesticides and PCBs are present at Site 11. Site 12 is the location of the sludge drying beds. Chemicals present at Site 12 include VOCs, SVOCs, PAHs, PCBs, pesticides, petroleum hydrocarbons, herbicides, cyanide, and metals. Results of the risk assessment show chemicals present that contribute to human health risks at all three sites. Has an ecological risk assessment been conducted for contaminants present at Sites 8, 11, and 12?</p>	<p>Response: An ecological risk assessment was not performed for the contaminants present at Sites 8, 11, and 12 because a habitat assessment was performed for the OU-3A sites, including Sites 8, 11, and 12, in May 1995. The results of this assessment indicated an absence of significant plant and wildlife habitat at the sites. Sites 8, 11 and 12 are located in a highly industrialized area of the Station.</p>

Letters Received During Public Comment Period

Number	Comments	Response
3B	<p>The preferred remedy presented in the "Proposed Plan for Cleanup at Three Shallow Soil Sites at Marine Corps Air Station El Toro, Final – May 1999" states that contaminated soil from Sites 8, 11, and 12 would be excavated and used as foundation layer beneath the landfill caps for landfills 2 and 17. Landfills 2 and 17 are located within the acreage currently proposed for transfer to Service. The "Proposed Plan for Closure of Inactive Landfills 2 and 17 at Marine Corps Air Station El Toro, Final – May 1998" issued for public comment did not include the proposal to place contaminated soil from Sites 8, 11, and 12 into landfills 2 and 17. The Service was not made aware of this proposal until approximately one year later during our review of the Record of Decision for Operable Unit 2B – Landfill Sites 2 and 17.</p> <p>In our letter to you dated May 26, 1999 following our review of the ROD for Sites 2 and 17, we identified our concerns regarding placement of contaminated soil from Sites 8, 11, and 12 into landfills 2 and 17. We objected to the placement of this additional contamination at Sites 2 and 17 because landfills 2 and 17 provide habitat for the Federally threatened California gnatcatcher with at least one breeding territory present at Site 2. Contaminants in soils from Sites 8, 11, and 12 include PCBs, VOCs, SVOCs, PAHs, pesticides, petroleum hydrocarbons, herbicides, cyanides, and metals. The addition of these contaminants to Landfills 2 and 17 will invalidate the ecological risk assessment previously conducted at those sites. These additional contaminants were not evaluated during the ecological risk assessment; therefore, the ecological risk assessment must be redone if contaminated soils from 8, 11, and 12 are to be added to the landfills.</p>	<p>Response: The Proposed Plan allows for an alternate disposal scenario for the excavated nonhazardous soil (off-site disposal at an appropriate off-Station facility). The DON has chosen to use the alternate disposal scenario and will dispose of the contaminated soil excavated from Site 11 at an appropriate off-Station facility. No soil will be recycled at Landfill Sites 2 and 17.</p> <p>Disposal of soil from Sites 8 and 12 will be addressed in a separate ROD. The DON also intends to dispose of soil from these sites at an appropriate off-Station disposal facility.</p>

Letters Received During Public Comment Period		
Number	Comments	Response
3C	<p>In addition, Landfill 2 is located in Borrego Canyon Wash and is subject to flooding and erosion. Interim emergency remedial actions were taken by DON in 1996 to reduce erosion of landfill material. These activities including grading stream banks with installation of riprap along severely eroded sections and placement of debris, collected from the stream channel, at each landfill. Should the remedy fail over time due to erosion, there is a great potential for contaminant exposure to the California gnatcatcher and other migratory birds. If erosion occurs and contaminated soils from Sites 8, 11, and 12 are used for the foundation layer of the landfill cap, exposure to concentrations of DDT (as high as 3.6 mg/kg), PCBs (up to 3.58 mg/kg), herbicides such as MCP (up to 153 mg/kg) and lead (up to 531 mg/kg) is likely. This is in addition to the contaminants already buried at these sites.</p> <p>Gnatcatchers have already been shown to be at risk from MCP during the ecological risk assessment conducted for Sites 2 and 17. The addition of increased levels of pesticides and PCBs as well as other contaminants at Sites 2 and 17 should be re-evaluated. Toxicity and accumulation of DDT and its metabolites (DDD and DDE) are of primary concern in birds. Adverse effects associated with DDT in birds include reproductive impairment, reduced fledgling success and eggshell thinning. Ecotoxicological mechanisms of DDT and the classic effects of egg shell thinning and population decline of avian species has been well documented (Blus 1996). Critical levels of DDE resulting in acute toxicity in brains, livers, and eggs of birds have been reported by Noble and Elliot (1990, <i>cited by USDOJ, 1998</i>). Critical levels of DDE as low as 1.2 mg/kg in eggs have been reported in some species (Noble and Elliot 1990, <i>cited by USDOJ 1998</i>). USDOJ 1998 also contains a synopsis of toxicity and accumulation of DDT and its metabolites in other vertebrates, as well as, aquatic and terrestrial invertebrates (USDOJ 1998).</p>	<p>Response: The Proposed Plan allows for an alternate disposal scenario for the excavated nonhazardous soil (off-site disposal at an appropriate off-Station facility). The DON has chosen to use the alternate disposal scenario and will dispose of the contaminated soil excavated from Site 11 at an appropriate off-Station facility. No soil will be recycled at Landfill Sites 2 and 17. The disposal of soil from Sites 8 and 12 will be addressed in a separate ROD. The DON also intends to dispose of soil from these sites at an appropriate off-Station disposal facility.</p> <p>Additionally, the remedial action for Site 2 will include protecting Borrego Canyon Wash from erosion. In addition, regular inspections will be performed to assure that the landfill cap and sides of the Wash do not erode. The initial frequency of inspection will be quarterly. Inspection will also be performed following major storm events. Maintenance will be performed if the inspection shows evidence of erosion. Remediation of Site 2 is addressed in the OU-2B ROD for Sites 2 and 17.</p>

Letters Received During Public Comment Period		
Number	Comments	Response
3C (continued)	The adverse effects of PCBs on wildlife have also been well documented. Adverse effects of PCBs on wildlife include mortality, deformities, reproductive failures, reduced growth and development, anemia, liver disorders and edema (Eisler 1986). Some lethal and sublethal effects in animals reported by Eisler (1996) include, hepatotoxicity, immunotoxicity, neurotoxicity, teratogenicity, and mutagenicity. Prenatal exposures to PCBs are documented to cause embryo mortality, developmental abnormalities, and endocrine disruption (Colborn 1993, Peterson et al. 1993, Safe 1994).	
3D	Section 7 of the Endangered Species Act (Act) of 1973, as amended requires a Federal agency to consult with the Fish and Wildlife Service (Service) in the event that a proposed action may affect a listed species. DON should initiate consultation with this office regarding the proposed remedial action at Sites 8, 11, and 12 in the event these contaminated soils are disposed of in landfills 2 and 17.	<u>Response:</u> Please see the response to Comment 1A.
3E	Because other alternatives for the remedy are available to DON such as on-site treatment by: 1) soil washing and thermal destruction; 2) excavation with low-temperature thermal desorption; and 3) off site disposal at the appropriate state approved landfill, we object to the placement of the contaminated soil from Sites 8, 11, and 12 in landfills 2 and 17. We strongly support DON's option to treat the waste, if required, prior to disposal and dispose of the contaminated waste from Sites 8, 11, and 12 in an approved facility off-site. We cannot support placement of additional contaminated waste in landfills 2 and 17 since the surrounding acreage will potentially be transferred to the Service and incorporated into our refuge system.	<u>Response:</u> Please see the response to Comment 1A.

Acronyms/Abbreviations:

ASTM – American Society for Testing and Materials
DDD – dichlorodiphenyldichloroethane
DDE – dichlorodiphenyldichloroethene
DDT – dichlorodiphenyltrichloroethane
DON – Department of the Navy
DRMO – Defense Reutilization and Marketing Office
LRA – Local Redevelopment Authority
MCAS – Marine Corps Air Station
MCPP – 2-(2-methyl-4-chlorophenoxy)-propionic acid
mg/kg – milligrams per kilogram
OU – operable unit
PAH – polynuclear aromatic hydrocarbon
PCB – polychlorinated biphenyl
PP – Proposed Plan
ROD – Record of Decision
SVOC – Semivolatile Organic Compound
USDOI – United States Department of the Interior
U.S. EPA – United States Environmental Protection Agency
USFWS – United States Fish and Wildlife Service
USMC – United States Marine Corps
VOC – volatile organic compound

**RESPONSE TO COMMENTS
FROM THE 26 MAY 1999 PUBLIC MEETING**

RESPONSIVENESS SUMMARY
MARINE CORPS AIR STATION – EL TORO, CALIFORNIA
PROPOSED PLAN, OPERABLE UNIT 3, SITES 8, 11, AND 12

Comments from 26 May 1999 Public Meeting

Comments by: *Comment Made Anonymously at the Public Meeting on 26 May 1999*

Number	Comments	Response
1	<p>There is a tremendous amount of data being presented. It would have been helpful to either present data as a platform presentation or simple handouts, which display concentration levels and human-health risks associated with those specific chemicals and their particular maximum concentration detected.</p> <p>However, staff made themselves available for questions and providing info regarding the restoration plans.</p>	<p><u>Response:</u> The DON chose to use a display format rather than a presentation format to maximize the amount of contact with individual members of the public. Handouts showing risks from the chemical present at the sites are an excellent idea and will be considered for the next meeting.</p>

Comments by: *Mr. Jeff Koepke, MCAS El Toro Restoration Advisory Board Member, at the Public Meeting on 26 May 1999*

2	<p>After talking with the technical people, a paralegal who's been doing the analysis for perchlorates in the soil, I'd like to see the results of analyses for perchlorates before a decision is made with what to do with the soil in those areas.</p>	<p><u>Response:</u> No perchlorate analyses were performed on soil samples collected from Sites 8, 11, and 12. Based on the type of operations conducted at these sites, there is no reason to believe that perchlorates would be present.</p>
---	--	---

Comments by: *Comment Made Anonymously at the Public Meeting on 26 May 1999*

3	<ul style="list-style-type: none"> • Speakers need to go to more public forums and preach the word. • Make use of "Leisure World News" and others. • [Use] local public access radio and T.V. spots. 	<p><u>Response:</u> Thank you for the suggestion for ways to reach a broader audience. The DON will consider these additional means to reach the public, especially for the presentation of information regarding groundwater remediation.</p>
---	---	---

Comments by: *Comment Made Anonymously at the Public Meeting on 26 May 1999*

4	<p>This visit to this town meeting workshop was a project for a Boy Scout presentation. However, what my son will relay to his troop will be information that they will find interesting. After all, they are what this clean up is about, for a better environment for them to live.</p>	<p><u>Response:</u> Agreed. The DON trusts that your son found the meeting understandable and informative.</p>
---	---	---

Comments by: *Comment Made Anonymously at the Public Meeting on 26 May 1999*

5	<p>No. 10 time to evaluate data before making comment.</p>	<p><u>Response:</u> Comment noted.</p>
---	--	---

Comments from May 26, 1999 Public Meeting		
Number	Comments	Response
<i>Comments by: Comment Made Anonymously at the Public Meeting on 26 May 1999</i>		
6	Still a bad [meeting] format.	Response: DON assumes that this comment refers to the fact that a display format rather than a presentation format was used to present information about the remedial actions being considered for Sites 8, 11, and 12. The DON chose to use a display format rather than a presentation format to maximize the amount of contact with individual members of the public. Most of the input the DON has received about this type of format has been positive. The DON hopes that members of the public that wish additional information about the remedial efforts at MCAS El Toro will have the opportunity to attend the regular Restoration Advisory Board meetings where a presentation format is used to communicate information about the remedial actions being planned for MCAS El Toro.
<i>Comments by: Comment Made Anonymously at the Public Meeting on 26 May 1999</i>		
7	I'm a resident of the city of Irvine and did not receive any information regarding this meeting. I found out about this meeting from a colleague at work. In the future, I suggest increasing the frequency of public announcement, especially in neighboring cities.	Response: The DON places notices about upcoming public meetings and Restoration Advisory Board meetings in the <i>Los Angeles Times Orange County Edition</i> and in the <i>Orange County Register</i> . Mailings are also sent to public officials and to individuals who have attended meetings or expressed an interest in the remediation process. The DON is pleased that you found out about the meeting and were able to attend and will consider your suggestion to increase the frequency of public announcement to obtain more public participation.

Acronyms/Abbreviations:

DON – Department of the Navy
MCAS – Marine Corps Air Station

ATTACHMENT A

ADMINISTRATIVE RECORD INDEX

(((

Section I

Technical Documents

Pertaining to Three Shallow Soil Sites

Operable Unit 3 - Sites 8, 11, and 12

Special Collection
Administrative Record File

MCAS El Toro



This Special Collection Index of the complete Administrative Record (AR) File Index for Former MCAS El Toro includes documents that cite bibliographic sources or references to government regulations and laws. These bibliographic citations are considered to be part of this AR File but may not be cited separately in this index.



DATE - 12/24/98

PAGE - 3

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

JIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC DATE	FROM SIGNATURE.....	TO SIGNATURE.....	TO SIGNATURE.....					
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....					
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	000787	07/07/95	OCWD		COMMENTS ON MCAS EL TORO OFF-STATION DRAFT RI WORK PLAN (NOVEMBER 1989)	ADMIN RECORD	COMMENTS NFA	OU1,OU2, OU3	SOUTHWEST DIVISION MCAS EL TORO
LTR		01/11/90	R.L. HERNDON						
0000000000000000		00000	MCAS EL TORO						
0008		01.2	M.W. REHOR						
M60050	000114	11/01/93	E. ROGAN		DRAFT FINAL FOR RI/FS WORK PLAN FOR YOUR REVIEW	ADMIN RECORD	RI FS NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
XMTL		01/30/90	CH2M HILL						
0000000000000000		00018	SOUTHWEST DIVISION						
		03.3	L. NUZUM						
M60050	000013	10/29/93	JMM		FINAL WORK PLAN OFF-SITE REMEDIAL INVESTIGATION MCAS EL TORO INSTALLATION RESTORATION PROGRAM MCAS TUSTIN & EL TORO	ADMIN RECORD	RI PCE TCE DCE NFA TECH/GUID DOC.	OU 1 OU 2 OU 3	SOUTHWEST DIVISION MCAS EL TORO
RPT		03/01/90							
N6871185C5592		00000	SOUTHWEST DIVISION						
0200		03.3							
M60050	000790	07/07/95	JMM		JMM'S RESPONSE TO COMMENTS FROM EPA	ADMIN RECORD	COMMENTS NFA		SOUTHWEST DIVISION MCAS EL TORO
LTR		03/31/90							
0000000000000000		00000	SOUTHWEST DIVISION						
0003		01.2							
M60050	000791	07/07/95	JMM		JMM'S RESPONSE TO COMMENTS FROM OCWD	ADMIN RECORD	COMMENTS NFA	OU3,OU4 OU1,OU2	SOUTHWEST DIVISION MCAS EL TORO
LTR		03/31/90							
0000000000000000		00000	SOUTHWEST DIVISION						
0001		01.2							
M60050	000015	10/29/93	JACOBS ENGINEERING		REVISED IMPLEMENTATION PLAN FOR REMEDIAL INVESTIGATION AND FEASIBILITY STUDY WORK PLAN FOR MCAS EL TORO	ADMIN RECORD	RI FS TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO
RPT		04/04/90							
N6871189D9296		00018	SOUTHWEST DIVISION		REVISED PER MODIFICATION #03 (16 MARCH 1990)				
0200		03.3							
M60050	000016	10/29/93	JACOBS ENGINEERING		DRAFT SUMMARY REPORT - COMPREHENSIVE WORK PLAN FOR REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT MCAS EL TORO	ADMIN RECORD	RI FS TECH/GUID DOC. NFA	001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018 019 020 021	SOUTHWEST DIVISION
RPT		04/09/90							
N6871189D9296		00018	SOUTHWEST DIVISION						
0200		03.3							

DATE - 12/24/98

PAGE - 4

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....						
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....		
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							

M60050 000016 continued

022

M60050	000023	10/29/93	JACOBS	DRAFT SITE SAMPLING AND ANALYSIS PLAN - CTO #0018	ADMIN RECORD	RI	001	SOUTHWEST DIVISION
RPT		09/10/90		COMPREHENSIVE WORK PLAN FOR REMEDIAL INVESTIGATION/		SAP	002	
N6871189D9296		00018	SOUTHWEST DIVISION	FEASIBILITY STUDY AT MCAS EL TORO		TCE	003	
		03.1				VOC	004	
						FS	005	
						AAL	006	
						OU-3	007	
						TECH/GUID DOC.	008	
						NFA	009	
							010	
							011	
							012	
							013	
							014	
							015	
							016	
							017	
							018	
							019	
							020	
							021	
							022	

M60050	000024	10/29/93	JACOBS	DRAFT REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK	ADMIN RECORD	RI	001	SOUTHWEST DIVISION
RPT		09/10/90		PLAN - CTO #0018 AT MCAS EL TORO		VOC	002	
N6871189D9296		00018	SOUTHWEST DIVISION			PCB	003	
		03.3				FS	004	
						TECH/GUID DOC.	005	
						NFA	006	
							007	
							008	
							009	
							010	
							011	
							012	
							013	
							014	
							015	
							016	
							017	
							018	
							019	
							020	
							021	
							022	

M60050	000995	10/06/95	EPA SAN FRANCISCO	FEDERAL FACILITY AGREEMENT UNDER CERCLA SECTION 120	ADMIN RECORD	FFA	4,7,11,13,	SOUTHWEST DIVISION
MISC		10/01/90		MCB CAMP PENDLETON ALSO USED IN SUPPORT OF THE MCAS		EE\CA	14,19,20	MCAS EL TORO
0000000000000000		00000	MCB CAMP PENDLETON	EL TORO EE/CA FOR SITES 4,7,11,13,14,19 & 20		TECH/GUID DOC.		
0100		01.6				NFA		

DATE - 12/24/98

PAGE - 5

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.SIGNATURE.....					
CONTR/GUID..NO..	CTO.NO..								
APPROX.#.OF.PAGES	EPA.CAT#								
M60050	000190	03/03/94	SOUTHWEST DIVISION		MCAS EL TORO INSTALLATION RESTORATION PROGRAM	ADMIN RECORD	SI	1	SOUTHWEST DIVISION
RPT		11/01/90	ENVIRONMENTAL		STATUS REPORT SITE HISTORY		TCE	2	MCAS EL TORO
0000000000000000	00000		SOUTHWEST DIVISION				RI	3	
	07.1		FILE				FS	4	
							IRP	5	
							TECH/GUID DOC.	6	
							NFA	7	
								8	
								9	
								10	
								11	
								11	
								12	
								13	
								14	
								15	
								16	
								17	
								18	
								19	
								20	
								21	
								22	
								23	
								OU1	
								OU2	
								OU3	
								OU4	
M60050	000680	04/05/95	DAMES & MOORE		DRAFT FEASIBILITY STUDY MCAS EL TORO	ADMIN RECORD	FS		SOUTHWEST DIVISION
RPT		01/22/91					NFA		MCAS EL TORO
N6871189D2001		DO 21	SOUTHWEST DIVISION						
0150		04.2							
M60050	000214	06/30/94	SOUTHWEST DIVISION		MCAS EL TORO INSTALLATION RESTORATION PROGRAM DRAFT	ADMIN RECORD	SAP		SOUTHWEST DIVISION
RPT		02/28/91			FINAL SAMPLING AND ANALYSIS PLAN.		EE\CA		
N6871189D9296		00018	MCAS EL TORO				NFA		
0500		03.1					TECH/GUID DOC.		
M60050	000672	04/05/95	JACOBS ENGINEERING		DRAFT FINAL RI/FS WORK PLAN MCAS EL TORO	ADMIN RECORD	RI	OU1,OU2	SOUTHWEST DIVISION
PLAN		02/28/91	E. ROGER				FS	18,2,3,5,	MCAS EL TORO
N6871189D9296		00018	SOUTHWEST DIVISION				TECH/GUID DOC.	10,1, OU 3	
0350		03.3					NFA	4,6,7,8,9,	
								11,12,13,	
								14,15,16,	
								19,20,21,	
								22	
M60050	000977	08/30/95	JACOBS ENGINEERING		DRAFT FINAL SAMPLING AND ANALYSIS PLAN	ADMIN RECORD	SAP	OU1,OU2,	SOUTHWEST DIVISION
PLAN		02/28/91	J. DOLEGOWSKI				TECH/GUID DOC.	OU3	MCAS EL TORO
N6871189D9296		00018	SOUTHWEST DIVISION				NFA	18,2,3,5,	
0950		03.1						10,17,1,4,	
								6,7,8,9,11	

UIC No.	DOC.NO.	PRC.DATE	FROM.....						
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..		SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...Location.....		
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							

12, 13, 14,
15, 16, 19,
20, 21, 22

M60050 RPT N6871189D9296	000030 03/22/91 00018 01.1	JACOBS ENGINEERING SOUTHWEST DIVISION	DRAFT FINAL SITE MANAGEMENT PLAN MCAS EL TORO	ADMIN RECORD	SMP TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 PLAN N6871189D9296 0075	000106 03/22/91 00018 01.1	JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION H. PADRO	DRAFT FINAL SITE MANAGEMENT PLAN MCAS EL TORO	ADMIN RECORD	SMP TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871189D9296	000041 10/29/93 07/09/91 00145 01.1	JACOBS ENGINEERING SOUTHWEST DIVISION	GEOPHYSICAL SURVEY REPORT INSTALLATION RESTORATION PROGRAM MCAS EL TORO	ADMIN RECORD	IRP NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0005	000546 07/07/94 11/01/91 00000 09.3	MCAS EL TORO	FACT SHEET: THE ENVIRONMENTAL CLEANUP OF MARINE CORPS AIR STATION EL TORO.	ADMIN RECORD	HAZ WASTE PUB. PARTICIPATI NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR N6871189D9296 0012	001016 12/08/95 03/16/92 00145 01.6	SOUTHWEST DIVISION J. DOLEGOWSKI SOUTHWEST DIVISION	MEETING MINUTES WITH REGULATORY AGENCIES ON PRELIMINARY RESULTS OF SOIL SAMPLES FROM AGUA CHINON W WASH, AND OWCD DESALTER PROJECT	ADMIN RECORD	MTG MINS NFA	OU1 18	SOUTHWEST DIVISION
M60050 MISC CLEC0101F14512 0005	001483 05/21/96 12/10/92 00145 03.0	JACOBS ENGINEERING C. FLAGG SOUTHWEST DIVISION A. PISZKIN	MEETING MINUTES FOR REMEDIAL PROJECT MANAGER'S MEETING TO DISCUSS REMEDIAL INVESTIGATION/FEASIBILITY STUDY AND RCRA FACILITY ASSESSMENT	ADMIN RECORD	MTG MINS RI FS RCRA RFA NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 GUID CA6170023208	000079 11/01/93 02/08/93 00000 11.4	ROBERT C. WILLIAMS DEPT H & H DANA SAKAMOTO SOUTHWESTDIV	AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY, PUBLIC HEALTH ASSESSMENT-PUBLIC COMMENT RELEASE FOR MCAS EL TORO	ADMIN RECORD	PUBNOT ATSDR COMMENTS AM EL TORO NFA PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871189D9296 0054	000867 07/18/95 02/08/93 00145 08.1	ASTDR	HUMAN HEALTH RISK ASSESSMENT FOR MCAS EL TORO	ADMIN RECORD	HRA TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO

DATE - 12/24/98

PAGE - 8

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
CONTR/GUID...NO..	CTO.NO..	TO.....									
APPROX.#.OF.PAGES	EPA.CAT#	TO SIGNATURE.....									
M60050	000084	11/01/93	JACOBS ENGINEERING	RECORD PLACED UNDER DOCUMENT NUMBER M00681.000082	ADMIN RECORD	RI		001		SOUTHWEST DIVISION	
RPT		05/07/93				OU-1		002		MCAS EL TORO	
N6871189D9296		00145	SOUTHWEST DIVISION			OU-2		003			
		01.1				OU-3		004			
						EE\CA		005			
						TECH/GUID DOC.		006			
						NFA		007			
								008			
								009			
								010			
								011			
								012			
								013			
								014			
								015			
								016			
								017			
								018			
								019			
								020			
								021			
								022			
M60050	000085	11/01/93	JACOBS ENGINEERING	RECORD PLACED UNDER DOCUMENT NUMBER M00681.000085	ADMIN RECORD	RI		001		SOUTHWEST DIVISION	
RPT		05/07/93				EE\CA		002		MCAS EL TORO	
N6871189D9296		00145	SOUTHWEST DIVISION			WELLS		003			
		01.1				MONITORING		004			
						TECH/GUID DOC.		005			
						NFA		006			
								007			
								008			
								009			
								010			
								011			
								012			
								013			
								014			
								015			
								016			
								017			
								018			
								019			
								020			
								021			
								022			
M60050	000086	11/01/93	JACOBS ENGINEERING	PHASE I REMEDIAL INVESTIGATION DRAFT TECHNICAL MEMO	ADMIN RECORD	RI				SOUTHWEST DIVISION	
RPT		05/07/93		MCAS EL TORO VOLUME IV		EE\CA				MCAS EL TORO	
N6871189D9296		00145	SOUTHWEST DIVISION			TECH/GUID DOC.					
		01.1				NFA					

DATE - 12/24/98

PAGE - 9

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....												
M60050 RPT N6871189D9296 0800	000713	04/05/95 05/07/93 00145 03.4	JACOBS ENGINEERING A. MATIN SOUTHWEST DIVISION	PHASE I RI DRAFT TECHNICAL MEMORANDUM VOLUME I & III AND IV							ADMIN RECORD	TECH MEMO RI TECH/GUID DOC. NFA	1,2,3,4,5 6,7,8,9,10 11,12,13, 14,15,16, 17,18,19, 20,21, OUI OU2,OU3	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871189D9296 0010	000814	07/07/95 05/10/93 00145 01.6	JACOBS ENGINEERING SOUTHWEST DIVISION	DQO MEETING HELD ON 10-11 MAY 1993							ADMIN RECORD	DQOP NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000	000132	11/01/93 05/13/93 FC000 04.1	A. PISZKIN SOUTHWESTDIV J. J. ZARNOCH EPA	IDENTIFICATION OF STATE "APPLICABLE" OR "RELEVANT AND APPROPRIATE" REQUIREMENTS (ARARs) FOR THE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY MCAS EL TORO							ADMIN RECORD	ARAR RI FS EE\CA TECH/GUID DOC. NFA	OU1,OU2, OU3,1,2,3, 4,5,6,7,8, 9,10,11,12 13,14,15, 16,17,18, 19,20,21 22,24,25 25,26,27	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000	000133	11/01/93 05/20/93 00000 08.1	A. PISZKIN SOUTHWESTDIV J. J. ZARNOCH EPA	ENVIRONMENTAL HEALTH HAZARD ASSESSMENT OF THE CALIF. ENVIRONMENTAL PROTECTION AGENCY (CALEPA) MEMORANDUM ENTITLED "CALIFORNIA CANCER POTENCY FACTORS"							ADMIN RECORD	CANCER CCPF TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO N6871189D9296 0002	000877	07/18/95 06/28/93 00145 11.5	JACOBS ENGINEERING J. DOELGOWSKI SOUTHWEST DIVISION A. PISZKIN	POSITION PAPER ON SOIL CUTOFF DEPTH							ADMIN RECORD	NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000	000121	11/01/93 07/08/93 00000 01.6	EPA J. HAMILL SOUTHWEST DIVISION A. PISZKIN	EPA COMMENTS ON THE OF THE MCAS EL TORO PHASE I RI DRAFT TECHNICAL MEMORANDUM							ADMIN RECORD	TECH MEMO RI COMMENTS NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871189D9296	000087	11/01/93 07/16/93 00193 01.1	JACOBS ENGINEERING SOUTHWEST DIVISION	FINAL RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITIY ASSESSMENT RPT MCAS EL TORO VOLUME I							ADMIN RECORD INFO REPOSITORY	RCRA RFA EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871189D9296	000089	11/01/93 07/16/93 00193 01.1	JACOBS ENGINEERING SOUTHWEST DIVISION	FINAL RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITIY ASSESSMENT RPT MCAS EL TORO VOLUME III (DRAFT PRELIMINARY REVIEW/VISUAL SITE INSPECTION RPT)							ADMIN RECORD	RFA RCRA SI EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 RPT N6871189D9296	000090 07/16/93 00193	JACOBS ENGINEERING 01.1 SOUTHWEST DIVISION	FINAL RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY ASSESSMENT RPT MCAS EL TORO VOLUME IV (DRAFT PRELIM. REVIEW/VSI RPT VOLUME II)	ADMIN RECORD INFO REPOSITORY	RFA RCRA SI EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO		
M60050 RPT N6871189D9296	000091 07/16/93 00193	JACOBS ENGINEERING 01.1 SOUTHWEST DIVISION	FINAL RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY ASSESSMENT RPT MCAS EL TORO VOLUME V (FINAL SAMPLING VISIT WORK PLAN 03/10/92)	ADMIN RECORD INFO REPOSITORY	RFA RCRA UST SAP EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO		
M60050 RPT N6871191D4658 0350	000663 04/05/95 08/02/93 DO 02 01.1	SAIC SOUTHWEST DIVISION	FINAL REPORT AERIAL PHOTOGRAPH ASSESSMENT MCAS EL TORO	ADMIN RECORD	TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000 0006	001097 12/22/95 08/09/93 00000 01.6	OCWD FOUNTAIN VALLEY R.L. HERNDON SOUTHWEST DIVISION A. PISZKIN	COMMENTS TO MCAS EL TORO DRAFT RI TECHNICAL MEMORANDUM AND REQUEST FOR DIGITAL RI DATA	ADMIN RECORD	COMMENTS TECH MEMO DATA NFA	OU1	SOUTHWEST DIVISION		
M60050 MEMO 0000000000000000 0002	001530 07/10/93 08/12/93 00000 10.1	DTSC REGION IV J. ZARNOCH SOUTHWEST DIVISION	DTSC COMMENTS ON PHASE I REMEDIAL INVESTIGATION (RI) DRAFT TECHNICAL MEMORANDUM, DATA QUALITY OBJECTIVES INSTALLATION RESTORATION PROGRAM, MCAS EL TORO	ADMIN RECORD	COMMENTS TECH MEMO RI NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MEMO N6871189D9296 0025	000849 07/18/95 08/20/93 00145 03.4	DTSC LONG BEACH J. ZARNOCH MCAS EL TORO L. SERAFINI	DRAFT AGENCY COMMENTS DRAFT TECHNICAL MEMORANDUM I-IV PHASE I RI	ADMIN RECORD	COMMENTS RI NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MEMO 0000000000000000 0003	001531 07/10/93 08/23/93 00000 10.1	OFF. OF SCI. AFFAIRS J. CHRISTOPHER DTSC REGION IV J. ZARNOCH	STATE OF CALIFORNIA, OFFICE OF SCIENTIFIC AFFAIRS COMMENTS ON POSITION PAPERS RELATED TO DATA QUALITY OBJECTIVES FOR THE PHASE II RI/FS	ADMIN RECORD	COMMENTS DQO RI NFA TECH/GUID DOC.	OU2,OU3,1, 2,3,4,5,6, 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000 0014	001164 12/26/95 08/26/93 00000 01.1	EPA SAN FRANCISCO J. HAMILL SOUTHWEST DIVISION A. PISZKIN	COMMENTS ON POSITION PAPERS OF AUGUST 6, 11, & 12, 1993 FOR DRAFT PHASE II WORK PLAN FOR OUs 2 & 3	ADMIN RECORD	COMMENTS NFA TECH/GUID DOC.	OU2,OU3	SOUTHWEST DIVISION MCAS EL TORO		

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...Location.....
DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 LTR 0000000000000000	000147 08/27/93 00000 01.6	11/01/93 J. J. ZARNOCH DEPT TOXIC SUB L. SERAFINI MCAS EL TORO	08/27/93 J. J. ZARNOCH SOUTHWEST DIVISION A. PISZKIN	00000 01.1	PART I COMMENTS MCAS EL TORO INSTALLATION RESTORATION PROGRAM PHASE I REMEDIAL INVESTIGATION,DRAFT TECHNICAL MEMORANDUM	ADMIN RECORD	RI IRP NFA TECH/GUID DOC.	OU1	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0005	001154 08/27/93 00000 01.1	12/26/95 DTSC LONG BEACH J.J. ZARNOCH SOUTHWEST DIVISION A. PISZKIN	08/27/93 J.J. ZARNOCH SOUTHWEST DIVISION A. PISZKIN	00000 01.1	COMMENTS ON THE DATA QUALITY OBJECTIVES POSITION PAPER	ADMIN RECORD	COMMENTS DQOP NFA TECH/GUID DOC.	OU1	SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO N6871189D9296 0012	000848 08/31/93 00145 03.4	07/18/95 DTSC LONG BEACH J. ZARNOCH MCAS EL TORO L. SERAFINI	08/31/93 J. ZARNOCH MCAS EL TORO L. SERAFINI	00145 03.4	COMMENTS ON THE DRAFT TECHNICAL MEMORANDUM VOLUME I-IV PHASE I RI	ADMIN RECORD	COMMENTS RI NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO N6871189D9296 0011	000847 09/01/93 00145 03.4	07/18/95 DTSC LONG BEACH J. ZARNOCH MCAS EL TORO L. SERAFINI	09/01/93 J. ZARNOCH MCAS EL TORO L. SERAFINI	00145 03.4	COMMENTS ON THE DRAFT TECHNICAL MEMORANDUM VOLUME I-IV PHASE I RI	ADMIN RECORD	COMMENTS RI NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO N6871189D9296 0014	000846 09/13/93 00145 03.4	07/17/95 DTSC J. ZARNOCH SOUTHWEST DIVISION	09/13/93 J. ZARNOCH SOUTHWEST DIVISION	00145 03.4	DTSC COMMENTS DRAFT TECHNICAL MEMO VOLUME I-IV PHASE I RI	ADMIN RECORD	TECH MEMO NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871191D4658 0300	000695 04/05/95 10/25/93 DO 02 01.1	SAIC SOUTHWEST DIVISION	04/05/95 SAIC SOUTHWEST DIVISION	10/25/93 DO 02 01.1	FINAL REPORT AERIAL PHOTOGRAPH ASSESSMENT MCAS EL TORO	ADMIN RECORD	EE\CA TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871189D9296 0019	001026 12/08/95 11/01/93 00145 01.6	12/08/95 JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION	11/01/93 J. DOLEGOWSKI SOUTHWEST DIVISION	00145 01.6	DQO MEETING MINUTES WITH REGULATORY AGENCIES	ADMIN RECORD	MTG MINS DQOP TECH/GUID DOC. NFA	OU1,18 24,12 OU2,OU2A OU3 1,2,3,4,5, 6,7,8,9,10 13,14, 15,16,17, 18,19,20, 21,22,25	SOUTHWEST DIVISION
M60050 LTR 0000000000000000 0003	001157 12/26/95 11/01/93 00000 01.1	12/26/95 EPA SAN FRANCISCO J.A. HAMILL SOUTHWEST DIVISION A. PISZKIN	11/01/93 J.A. HAMILL SOUTHWEST DIVISION A. PISZKIN	00000 01.1	REQUEST FOR REMOVAL ACTION AT AGUA CHINON WASH, AND FOR TIMELY SOIL GAS SURVEY	ADMIN RECORD	RA NFA	OU1	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0001	001735 03/04/97 11/08/93 00000 01.6	03/04/97 MCAS EL TORO J.P. CHESSUM EPA SAN FRANCISCO J. HAMILL	11/08/93 J.P. CHESSUM EPA SAN FRANCISCO J. HAMILL	00000 01.6	DRAFT SAMPLING AND ANALYSIS PLAN, WORK PLAN, QUALITY ASSURANCE PROJECT PLAN, AND HEALTH AND SAFETY PLAN FOR PHASE II OF THE RI SENT FOR REVIEW & COMMENTS W/O ENCL	ADMIN RECORD	SAP WORK PLAN QAPP H&SP RI TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO

DATE - 12/24/98

PAGE - 12

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....					
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 PLAN N6871189D9296 0200	000703 11/09/93 00145	04/05/95 11/09/93 03.1	JACOBS ENGINEERING M. BITNER SOUTHWEST DIVISION	SAP DRAFT PHASE II RI/FS IRP FOR MCAS EL TORO	ADMIN RECORD	SAP EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO	
M60050 PLAN N6871189D9296 0200	000714 11/09/93 00145	04/05/95 11/09/93 03.3	JACOBS ENGINEERING M. BITNER SOUTHWEST DIVISION	PHASE II RI/FS DRAFT WORK PLAN MCAS EL TORO VOLUME I, II, III APPENDIX A DATA QUALITY OBJECTIVES SITES 12 THRU 25	ADMIN RECORD	RI FS EE\CA TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO	
M60050 PLAN N6871189D9296 0550	001074 11/09/93 00145	12/14/95 11/09/93 04.2	JACOBS ENGINEERING M. BITNER SOUTHWEST DIVISION	PHASE II RI/FS DRAFT QUALITY ASSURANCE PROJECT PLAN DRAFT WORK PLAN (VOLUME II) APPENDIX A DQO SITES 1 THROUGH 11	ADMIN RECORD	DQOP NFA TECH/GUID DOC.	1,2,3,4,5 6,7,8,9,10 11, OU2 OU2B,OU2C OU3	SOUTHWEST DIVISION	
M60050 LTR 0000000000000000 0053	000651 12/17/93 00059 03.3	01/27/95 12/17/93 03.3	EPA SAN FRANCISCO J. HAMILL SOUTHWEST DIVISION A. PISZKIN	COMMENTS FROM THE EPA ON THE THE WORK PLAN AND DATA QUALITY OBJECTIVES APPENDICES PHASE II REMEDIAL INVESTIGATION MCAS EL TORO	ADMIN RECORD	COMMENTS EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO	
M60050 LTR 0000000000000000 0075	000652 12/17/93 00059 03.3	01/27/95 12/17/93 03.3	DTSC LONG BEACH J.J. ZARNOCH SOUTHWEST DIVISION A. PISZKIN	COMMENTS FROM THE CALIFORNIA DTSC ON THE WORK PLAN AND DATA QUALITY OBJECTIVES APPENDICES PHASE II REMEDIAL INVESTIGATION MCAS EL TORO	ADMIN RECORD	COMMENTS EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO	
M60050 LTR 0000000000000000 0099	001116 12/17/93 00000 01.6	12/22/95 12/17/93 00000 01.6	DTSC LONG BEACH J. ZARNOCH SOUTHWEST DIVISION A. PISZKIN	COMMENTS ON THE MCAS EL TOR IRP PHASE II RI/FS DRAFT WORK PLAN	ADMIN RECORD	COMMENTS IRP NFA	O'11	SOUTHWEST DIVISION	
M60050 LTR 0000000000000000 0023	001534 12/17/93 00000 10.1	07/10/93 12/17/93 00000 10.1	US EPA REGION IX J. HAMILL SOUTHWEST DIVISION A. PISZKIN	US ENVIRONMENTAL PROTECTION AGENCY'S COMMENTS ON MCAS EL TORO INSTALLATION RESTORATION PROGRAM PHASE II RI/FS STUDY DRAFT WORK PLAN	ADMIN RECORD	COMMENTS RI FS NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MEMO N6871189D9296 0012	000841 03/10/94 00145 03.4	07/17/95 03/10/94 00145 03.4	CH2M HILL J. DOLEGOWSKI SOUTHWEST DIVISION	RI CONCEPTUAL APPROACH AND RESPONSE TO COMMENTS SOIL GAS SURVEY FOR SITES 24 & 25	ADMIN RECORD	RI NFA	24,25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 PLAN N6871189D9296 1500	000954 03/21/94 00284 01.1	08/17/95 03/21/94 00284 01.1	JACOBS ENGINEERING SOUTHWEST DIVISION	BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP PLAN FOR MCAS EL TORO	ADMIN RECORD	BRAC EE\CA NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO	

DATE - 12/24/98

PAGE - 13

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 PLAN N6871189D9296 0250	000691 04/18/94 00145 03.3	04/05/95 04/18/94 00145 03.3	JACOBS ENGINEERING M. BITNER SOUTHWEST DIVISION		DRAFT SOIL GAS SURVEY WORK PLAN RI/FS IRP SITES 24 & 25 MCAS EL TORO	ADMIN RECORD	RI FS NFA	24,25	SOUTHWEST DIVISION MCAS EL TORO
M60050 PLAN N6871189D9296 0250	000782 05/16/94 00145 01.2	07/07/95 05/16/94 00145 01.2	JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION		FINAL SOIL GAS SURVEY WORK PLAN SITES 24 & 25 REVISION 0	ADMIN RECORD	NFA	24,25	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871189D9296 0350	000709 05/19/94 00145 03.4	04/05/95 05/19/94 00145 03.4	JACOBS ENGINEERING M. BITNER SOUTHWEST DIVISION		RI REPORT DRAFT OU 1 RI/FS MCAS EL TORO	ADMIN RECORD	RI NFA	OU1	SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO N6871189D9296 0015	000983 06/27/94 00145 01.6	10/04/95 06/27/94 00145 01.6	JACOBS ENGINEERING SOUTHWEST DIVISION		TECHNICAL EXCHANGE MEETING	ADMIN RECORD	MTG MINS EE\CA TECH/GUID DOC. NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871189D9296 0020	001034 06/28/94 00284 01.6	12/08/95 06/28/94 00284 01.6	JACOBS ENGINEERING M. ARENDS SOUTHWEST DIVISION R. GREEN		INTERVIEW WITH ACTIVE AND RETIRED PERSONNEL FROM MCAS EL TORO REGARDING PROCEDURES FOR STORAGE AND DISPOSAL OF HAZARDOUS MATERIALS AND WASTE	ADMIN RECORD	DISPOSAL AM EL TORO TECH/GUID DOC. NFA	5 2,17,3,4 10,9,8, 12,1,3,5,7 11,14,15, 16,19,21, 22, OU1,OU2 OU2A,OU2B OU2C,OU3	SOUTHWEST DIVISION
M60050 RPT N6871189D9296 0200	000647 07/01/94 00145 03.0	07/19/94 07/01/94 00145 03.0	SOUTHWEST DIVISION JACOBS ENG. MCAS EL TORO		INSTALLATION RESTORATION PROGRAM REMEDIAL INVESTIGATION/FEASIBILITY STUDY DRAFT OPERABLE UNIT I REMEDIAL INVESTIGATION REPORT.	ADMIN RECORD	RI FS OU NFA	OU1	SOUTHWEST DIVISION MCAS EL TORO
M60050 GUID 0000000000000000 0020	000979 07/06/94 00000 11.6	10/03/95 07/06/94 00000 11.6	SOUTHWEST DIVISION		ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) OUTLINE FOR NON-TIME-CRITICAL REMOVAL ACTION	ADMIN RECORD	EE\CA RA EE/CA(*) NFA	4,7,11,13, 14,19,20	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0001	001302 07/12/94 00059 02.7	03/14/96 07/12/94 00059 02.7	BECHTEL NATIONAL INC T. LATAS BECHTEL NATIONAL INC D. COSWER		20 JUNE 1994 MEETING MINUTES FOR MEETING TO DISCUSS RESULTS FOR ROUND I SOIL GAS SURVEY SAMPLING AT SITES 24 AND 25	ADMIN RECORD	MTG MINS NFA	24,25	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001303 07/13/94 00059 02.7	03/14/96 07/13/94 00059 02.7	BECHTEL NATIONAL INC T. LATAS BECHTEL NATIONAL INC D. COWSER		MEETING MINUTES FOR THE 7 JULY 1994 MEETING TO DISCUSS SOIL GAS SURVEY RESULTS FOR SITES 24 AND 25	ADMIN RECORD	MTG MINS NFA	24,25	SOUTHWEST DIVISION MCAS EL TORO

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	CTO.NO...	FROM.SIGNATURE.....	TO.....					
CONTR/GUID...NO...			TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 MM N6871189D9296 0007	000871 07/15/94 00145 11.5	07/18/95	JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION	SOIL GAS SURVEY MEETING MINUTES	ADMIN RECORD	MTG MINS NFA			SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871189D9296 0004	000875 07/28/94 00145 11.5	07/18/95	JACOBS ENGINEERING SOUTHWEST DIVISION	20 JUNE 1994 SOIL GAS INVESTIGATION MEETING	ADMIN RECORD	MTG MINS NFA			SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO 0000000000000000 0022	001541 08/19/94 00059 03.0	07/10/96	KLEINFELDER T. LATAS BECHTEL NATIONAL INC D. COWSER	MEETING MINUTES FROM THE PROGRESS MEETING TO DISCUSS OVERALL APPROACH AND SAMPLING STRATEGIES FOR THE RI/FS WORK PLANS FOR OU-2, OU-3, AND VOC SOURCE AREA (24,25)	ADMIN RECORD	MTG MINS RI FS VOC OU NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13, 14,15,16 17,19,20 21,22,24 25		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0001	001829 08/31/94 00000 01.6	03/24/97	MCAS EL TORO W. LEE EPA SAN FRANCISCO B. ARTHUR	TRANSMITTAL OF DRAFT SOIL GAS SURVEY TECHNICAL MEMO (REFERENCE DOCUMENT NO# 000691)	ADMIN RECORD	SOIL TECH MEMO NFA	24 25 OU 2A		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT 0000000000000000 0009	000780 09/23/94 00000 01.2	07/07/95	DTSC S. BEARD	GOV'T COMMENTS ON "DRAFT SOIL GAS SURVEY TECHNICAL MEMORANDUM"	ADMIN RECORD	TECH MEMO NFA			SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0006	000726 09/26/94 00000 01.6	06/15/95	EPA SAN FRANCISCO B. ARTHUR MCAS EL TORO W.D. LEE	COMMENTS ON THE DRAFT SOIL GAS SURVEY TECHNICAL MEMORANDUM SITES 24 & 25	ADMIN RECORD	COMMENTS TECH MEMO NFA	24,25		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0014	000724 09/29/94 00000 01.6	06/15/95	DTSC LONG BEACH J.M. JIMENEZ MCAS EL TORO W.D. LEE	COMMENTS ON THE DRAFT SOIL GAS SURVEY TECHNICAL MEMORANDUM STIES 24 & 25	ADMIN RECORD	COMMENTS TECH MEMO NFA	24,25		SOUTHWEST DIVISION MCAS EL TORO
M60050 MEMO N6871189D9296 0002	000840 09/29/94 00145 03.4	07/17/95	CRWQCB SANTA ANA L. VITTE SOUTHWEST DIVISION	GOVERNMENT (AGENCY) COMMENTS DRAFT SOIL GAS SURVEY - TECHNICAL MEMORANDUM SITES 24 & 25	ADMIN RECORD	COMMENTS NFA	24,25		SOUTHWEST DIVISION MCAS EL TORO
M60050 DATA N6871189D9296 1200	001191 09/30/94 00145 01.1	01/22/96	JACOBS ENGINEERING SOUTHWEST DIVISION	GROUNDWATER QUALITY DATA REPORT IRP RI/FS	ADMIN RECORD	GW RI DATA NFA TECH/GUID DOC.	1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16, 17,18,19, 20,21,22, OU1,OU2, OU2A,OU2B, OU2C,OU3		SOUTHWEST DIVISION

DATE - 12/24/98

PAGE - 15

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	000968	08/29/95	SAIC		REVISED DRAFTS OF THE OIL & HAZARDOUS SUBSTANCES SPILL	ADMIN RECORD	SPCC		SOUTHWEST DIVISION
LTR		10/04/94	J.A. CLARKE		PREVENTION, CONTROL AND COUNTERMEASURE PLAN AND SPILL		NFA		MCAS EL TORO
N6871192D4658		DO 03	SOUTHWEST DIVISION		CONTINGENCY PLAN, MCAS TUSTIN AND EL TORO				
0007		01.1	L. HORNECKER						
M60050	001291	03/13/96	BECHTEL NATIONAL INC		MEETING MINUTES FOR THE 12-13 OCTOBER PROGRESS MEETING	ADMIN RECORD	RI	7,3,4,5	SOUTHWEST DIVISION
MISC		10/12/94	T. LATAS		PHASE II RI/FS WORKPLANS DISCUSSED APPROACHES FOR		FS	6,7,8,9,10	MCAS EL TORO
0000000000000000		00059	BECHTEL NATIONAL INC		RI/FS ACTIVITIES, FIELD SAMPLING PLAN AND QAPP,		MTG MINS	11,12,13	
0030		03.6	D. COWSER				NFA	14,15,16	
							TECH/GUID DOC.	17,19,20	
								21,22,24	
								25	
M60050	001277	03/13/96	BECHTEL NATIONAL INC		PROGRESS MEETING MINUTES FOR PHASE II REMEDIAL	ADMIN RECORD	RI	1,2,3,4,5	SOUTHWEST DIVISION
MISC		10/24/94			INVESTIGATION/FEASIBILITY STUDY WORK PLAN		FS	6,7,8,9,10	MCAS EL TORO
0000000000000000		00059	SOUTHWEST DIVISION				MTG MINS	11,12,13	
0011		03.6					NFA	14,15,16	
							TECH/GUID DOC.	17,19,20	
								21,22,24	
								25	
M60050	001268	02/09/96	BECHTEL NATIONAL INC		SUBMITTAL OF DRAFT RISK ASSESSMENT WORK PLAN FOR	ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION
RPT		11/15/94	J. KLEUSENER		THE PHASE II RI/FS		FS	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00059	SOUTHWEST DIVISION				NFA	7,8,9,10	
0002		02.4	J. ASHMAN				TECH/GUID DOC.	11,12,13	
								14,15,16	
								17,19,20	
								21,22,24	
								25	
M60050	001307	03/14/96	DTSC REGION IV		DTSC'S REVIEW COMMENTS ON THE HEALTH AND SAFETY PLAN	ADMIN RECORD	H&SP	1,2,3,4,5	SOUTHWEST DIVISION
LTR		12/20/94	J. JIMENEZ		PORTION OF THE PHASE II REMEDIAL INVESTIGATION WORK		RI	6,7,8,9,10	MCAS EL TORO
0000000000000000		00059	MCAS EL TORO		PLAN		FS	11,12,13	
0006		03.6	W. LEE				COMMENTS	14,15,16	
							NFA	17,19,20	
							TECH/GUID DOC.	21,22,24	
								25	
M60050	001215	01/30/96	BECHTEL NATIONAL INC		DRAFT ACTION MEMORANDUM NON-TIME CRITICAL REMOVAL	ADMIN RECORD	ACTMEMO	OU3,19,1,4	SOUTHWEST DIVISION
RPT		01/01/95			ACTION FOR UNIT 2 OF SITE 19 - AIRCRAFT EXPEDITIONARY		NON	6,7,8,9,10	
N6871192D4670		00059	SOUTHWEST DIVISION				TCRA	11,12,13	
0037		02.5					NFA	14,15,16	
								19,20,21	
								22	
M60050	001285	03/13/96	US EPA REGION IX		US EPA COMMENTS TO DRAFT RISK ASSESSMENT PLAN	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION
MISC		01/24/95	B. ARTHUR				RISK		MCAS EL TORO
0000000000000000		00059	MCAS EL TORO				NFA		
0004		08.3	W. LEE				TECH/GUID DOC.		

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....									
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....									
M60050 RPT N6871192D4670 0002	001261 03/01/95 00059 02.7	02/09/96 03/01/95 00059 02.7	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION J. ASHMAN	SUBMITTAL OF DRAFT QUALITY ASSURANCE PROJECT PLAN FOR THE PHASE II RI/FS (REF. DOC# 000835)				ADMIN RECORD	RI FS TECH/GUID DOC. NFA	OU2,OU3,1 2,3,4,5,6, 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 PLAN N6871189D9296 0750	000917 03/03/95 00284 01.1	07/20/95 03/03/95 00284 01.1	JACOBS ENGINEERING B. ARTHUR SOUTHWEST DIVISION J. JOYCE	BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP PLAN				ADMIN RECORD	BRAC EE\CA NFA TECH/GUID DOC.	OU1,OU2, OU2A,24,25 OU2B,OU2C, OU3,1,6,7, 8,9,10,11, 12,14,15, 16,19,20, 21,22,OU3B 4,13,2,17, 3,5	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0006	001173 03/08/95 00000 01.1	12/26/95 03/08/95 00000 01.1	BECHTEL NATIONAL INC D.K. COWSER SOUTHWEST DIVISION A. PISZKIN	FEBRUARY 21, 1995 MEETING MINUTES ON THE REVIEW OF THE DRAFT HEALTH AND ECOLOGICAL RISK ASSESSMENT WORK PLAN				ADMIN RECORD	MTG MINS NFA TECH/GUID DOC.	OU 2 OU 3	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670 0005	001260 03/08/95 00059 08.3	02/09/96 03/08/95 00059 08.3	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION A. PISZKIN	REVIEW OF DRAFT HEALTH AND ECOLOGICAL RISK ASSESSMENT WORK PLAN				ADMIN RECORD	PRG NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 PLAN N6871192D4670 1500	000653 03/17/95 00059 03.3	03/27/95 03/17/95 00059 03.3	BECHTEL NATIONAL INC T.W. LATAS SOUTHWEST DIVISION	REVISED DRAFT WORK PLAN PHASE II RI/FS MCAS EL TORO				ADMIN RECORD INFO REPOSITORY	RI FS TECH/GUID DOC. NFA	OU2,OU3	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR N6871192D4670 0005	001257 03/31/95 00059 02.1	02/09/96 03/31/95 00059 02.1	BECHTEL NATIONAL INC J. KLEUSENER SOUTHWEST DIVISION J. ASHMAN	DRAFT FIELD SAMPLING PLAN FOR THE PHASE II RI/FS				ADMIN RECORD	RI FS NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 0003	001258 03/31/95 00059 03.5	02/09/96 03/31/95 00059 03.5	BECHTEL NATIONAL INC J. KLEUSENER SOUTHWEST DIVISION J. ASHMAN	FINAL HEALTH AND SAFETY SUPPLEMENT PHASE II RI/FS AND RESPONSE TO COMMENTS ON HEALTH AND SAFETY SUPPLEMENT				ADMIN RECORD INFO REPOSITORY	H&SP COMMENTS TECH/GUID DOC. NFA	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO

DATE - 12/24/98

PAGE - 18

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001282	03/13/96	BECHTEL NATIONAL INC	RESPONSE TO REGULATORY AGENCY (DTSC, RWQCB, USEPA)	ADMIN RECORD	RI	1,2,3,4,5	SOUTHWEST DIVISION	
MISC		03/31/95	T. LATAS	COMMENTS ON REVISED DRAFT WORK PLAN PHASE II RI/FS		FS	6,7,8,9,10	MCAS EL TORO	
0000000000000000		00059	VARIOUS AGENCIES			COMMENTS	11,12,13,		
0025		03.6				NFA	14,15,16		
						TECH/GUID DOC.	17,19,20,		
							21,22,24		
							25		
M60050	001679	10/01/96	BNI SAN DIEGO	FINAL DATA MANAGEMENT PLAN	ADMIN RECORD	DATA		SOUTHWEST DIVISION	
PLAN		04/06/95	C. CARLISLE		INFO REPOSITORY	QA		MCAS EL TORO	
N6871192D4670		00075	SOUTHWEST DIVISION			QC			
0020		03.3				TECH/GUID DOC.			
						NFA			
M60050	001562	07/10/96	BECHTEL NATIONAL INC	BNI'S TECHNICAL REVIEW COMMENTS ON THE QUALITY	ADMIN RECORD	QAPP		SOUTHWEST DIVISION	
LTR		05/01/95	D. TEDALDI	ASSURANCE PROJECT PLAN (DRAFT) PHASE II REMEDIAL		COMMENTS		MCAS EL TORO	
N6871192D467000		00080	SOUTHWEST DIVISION	INVESTIGATION/FEASIBILITY STUDY (RI/FS)		NFA			
0005		10.1	J. JOYCE			TECH/GUID DOC.			
M60050	001367	03/19/96	BECHTEL NATIONAL INC	COPY OF MEETING HANDOUT "RECOMMENDED NO FURTHER ACTION	ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION	
MISC		05/02/95	P. WEIGAND	AND REMOVAL ACTION OU-3 SITES", PHASE II RI/FS		FS	2,3,4,5,6	MCAS EL TORO	
0000000000000000		00059	VARIOUS			OU	7,8,9,10,		
0045		02.7				NFA	11,12,13		
							14,15,16		
							17,19,20		
							21,22,24		
							25		
M60050	001254	02/09/96	BECHTEL NATIONAL INC	APRIL 25, 1995 MEETING MINUTES FOR CTO-0059	ADMIN RECORD	MTG MINS	OU2,OU3,1	SOUTHWEST DIVISION	
MISC		05/03/95	J. KLEUSENER			RI	2,3,4,5,6	MCAS EL TORO	
N6871192D4670		00059	SOUTHWEST DIVISION			FS	7,8,9,10		
0012		02.7	J. ASHMAN			NFA	11,12,13		
						TECH/GUID DOC.	14,15,16		
							17,19,20		
							21,22,24		
							25		
M60050	000931	08/07/95	EPA SAN FRANCISCO	COMMENTS ON THE DRAFT QUALITY ASSURANCE PROJECT PLAN	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION	
LTR		05/05/95	B. ARTHUR	PHASE II RI/FS		QA		MCAS EL TORO	
0000000000000000		00000	SOUTHWEST DIVISION			NFA			
0011		01.6	J. JOYCE			TECH/GUID DOC.			
M60050	001256	02/09/96	BECHTEL NATIONAL INC	RESPONSE TO REGULATORY AGENCY COMMENTS TO THE DRAFT	ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION	
LTR		05/05/95	J. KLEUSENER	DATA MANAGEMENT PLAN PHASE II RI/FS		FS	2,3,4,5,6	MCAS EL TORO	
N6871192D4670		00059	SOUTHWEST DIVISION			COMMENTS	7,8,9,10		
0012		10.2	J. ASHMAN			NFA	11,12,13		
						TECH/GUID DOC.	14,15,16		
							17,19,20		
							21,22,24		
							25		

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC DATE	FROM SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001677	10/01/96	BNI SAN DIEGO		RESPONSE TO COMMENTS	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION
MISC		05/05/95	L. HANUSIAK		DRAFT QAPP		QAPP		MCAS EL TORO
0000000000000000		00059	USEPA				NFA		
0018		10.1	B. ARTHUR				TECH/GUID DOC.		
M60050	001564	07/11/96	US EPA REGION IX		EPA COMMENTS ON THE FINAL DATA MANAGEMENT PLAN DATED	ADMIN RECORD	DMP		SOUTHWEST DIVISION
LTR		05/16/95	B. ARTHUR		MARCH 1995		COMMENTS		MCAS EL TORO
0000000000000000		00000	MCAS EL TORO				NFA		
0001		01.1	J. JOYCE				TECH/GUID DOC.		
M60050	001259	02/09/96	BECHTEL NATIONAL INC		REVISED DRAFT WORK PLAN FOR THE PHASE II RI/FS	ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION
RPT		05/17/95	J. KLEUSENER				FS	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00059	SOUTHWEST DIVISION				NFA	7,8,9,10	
0003		02.0	J. ASHMAN				TECH/GUID DOC.	11,12,13	
								14,15,16	
								17,19,20	
								21,22,24	
								25	
M60050	001403	03/20/96	BECHTEL NATIONAL INC		BECHTEL TECHNICAL REVIEW COMMENTS ON DRAFT WORK PLAN	ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION
LTR		05/17/95	D. TEDALDI		AND FIELD SAMPLING PLAN FOR PHASE II RI/FS		FS	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00080	DTSC REGION IV				COMMENTS	7,8,9,10	
0020		03.6	J. JIMENEZ				NFA	11,12,13	
							TECH/GUID DOC.	14,15,16	
								17,19,20,	
								21,22,24	
								25	
M60050	001375	03/19/96	BECHTEL NATIONAL INC		BECHTEL'S TECHNICAL REVIEW COMMENTS ON DRAFT WORK PLAN	ADMIN RECORD	FS	OU2,OU3,1	SOUTHWEST DIVISION
LTR		05/22/95	D. TEDALDI		AND FIELD SAMPLING PLAN FOR PHASE II RI/FS		COMMENTS	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00080	RWQCB REGION IX				RI	7,8,9,10	
0009		03.3	L. VITALE				NFA	11,12,13	
							TECH/GUID DOC.	14,15,16	
								17,19,20	
								21,22,24	
								25	
M60050	001376	03/19/96	BECHTEL NATIONAL INC		BECHTEL'S TECHNICAL REVIEW COMMENTS ON DRAFT WORK PLAN	ADMIN RECORD	COMMENTS	OU2,OU3,1	SOUTHWEST DIVISION
LTR		05/22/95	D. TEDALDI		AND FIELD SAMPLING PLAN FOR PHASE II RI/FS		SAP	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00080	US EPA REGION IX				NFA	7,8,9,10	
0009		03.3	B. ARTHUR				TECH/GUID DOC.	11,12,13	
								14,15,16	
								17,19,20	
								21,22,24	
								25	
M60050	001565	07/11/96	RWQCB		REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) COMMENTS	ADMIN RECORD	COMMENTS	OU2,OU3,1	SOUTHWEST DIVISION
MEMO		05/22/95			ON THE PHASE II DRAFT REMEDIAL INVESTIGATION WORK		RI	2,3,4,5,6,	MCAS EL TORO
0000000000000000		00000	DTSC REGION IV		PLAN		NFA	7,8,9,10	
0008		10.1	J. JIMENEZ				TECH/GUID DOC.	11,12,13	
								14,15,16	
								17,19,20	
								21,22,24	

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001565	continued							
								25	
M60050	001292	03/13/96	DTSC REGION IV	DTSC'S REVIEW COMMENTS ON THE REVISED DRAFT WORK PLAN	ADMIN RECORD	COMMENTS	1,2,3,4,5	SOUTHWEST DIVISION	
LTR		05/23/95	J. JIMENEZ	PHASE II RI/FS WORKPLAN		RI	6,7,8,9,10	MCAS EL TORO	
0000000000000000		00059	MCAS EL TORO			FS	11,12,13		
0000		03.3	J. JOYCE			NFA	14,15,16		
						TECH/GUID DOC.	17,19,20		
							21,22,24		
							25		
M60050	000945	08/07/95	EPA SAN FRANCISCO	COMMENTS ON THE REVISED DRAFT WORK PLAN PHASE II RI/	ADMIN RECORD	COMMENTS	2,3,5,17,	SOUTHWEST DIVISION	
LTR		05/24/95	B. ARTHUR	FS STUDY AND DRAFT FIELD SAMPLING PLAN PHASE II		NFA	13,24,4,7	MCAS EL TORO	
0000000000000000		00000	SOUTHWEST DIVISION	RI/FS		TECH/GUID DOC.	8,9,10,11,		
0042		03.6	J. JOYCE				12,22,23		
M60050	001293	03/13/96	US EPA REGION IX	US EPA REVIEW COMMENTS ON THE REVISED DRAFT WORK PLAN	ADMIN RECORD	COMMENTS	1,2,3,4,5	SOUTHWEST DIVISION	
LTR		05/24/95	B. ARTHUR	PHASE II RI/FS WORKPLAN AND DRAFT FIELD SAMPLING PLAN		RI	6,7,8,9,10	MCAS EL TORO	
0000000000000000		00059	MCAS EL TORO			FS	11,12,13		
0018		03.3	J. JOYCE			NFA	14,15,16		
						TECH/GUID DOC.	17,19,20		
							21,22,24		
							25		
M60050	000946	08/07/95	DTSC LONG BEACH	REVIEW COMMENTS ON THE REVISED DRAFT WORK PLAN	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION	
LTR		05/25/95	J.M. JIMENEZ	PHASE II RI/FS WORK PLAN		NFA		MCAS EL TORO	
0000000000000000		00000	SOUTHWEST DIVISION			TECH/GUID DOC.			
0032		03.6	J. JOYCE						
M60050	000940	08/07/95	DTSC SACRAMENTO	REVIEW COMMENTS ON THE REVISED FIELD SAMPLING PLAN	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION	
LTR		06/20/95	J.M. JIMENEZ	PHASE II RI/FS		RI		MCAS EL TORO	
0000000000000000		00000	SOUTHWEST DIVISION			FS			
0007		03.6	J. JOYCE			NFA			
						TECH/GUID DOC.			
M60050	001194	01/22/96	BECHTEL NATIONAL INC	FINAL WORK PLAN PHASE II RI/FS	ADMIN RECORD	RI	OU1,OU2,	SOUTHWEST DIVISION	
PLAN		07/01/95	T.W. LATAS			FS	OU2A,OU2B		
N6871192D4670		00059	SOUTHWEST DIVISION			TECH/GUID DOC.	OU2C,OU3		
1800		03.3				NFA	1,2,3,4,5,		
							6,7,8,9,10		
							11,12,13,		
							14,15,16,		
							17,19,20,		
							21,22,24		
							25		
M60050	001233	01/31/96	BECHTEL NATIONAL INC	FINAL WORK PLAN PHASE II RI/FS	ADMIN RECORD	RI	OU2A,OU2B	SOUTHWEST DIVISION	
RPT		07/01/95	T. LATAS			FS	OU3		
N6871192D4670		00059	SOUTHWEST DIVISION			TECH/GUID DOC.	1,2,4,6,7		
0200		03.3				NFA	8,9,10,11		
							12,13,14,		
							16,17,19		
							20,21,22		
							24,25		

DATE - 12/24/98

PAGE - 21

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....												
M60050 PLAN N6871192D4670 0050	001670	09/30/96 07/13/95 00059 04.4	BNI SAN DIEGO T. LATAS SOUTHWEST DIVISION	FINAL INVESTIGATION-DERIVED WASTE MANAGEMENT PLAN							ADMIN RECORD INFO REPOSITORY	INVESTIGATION TECH/GUID DOC. NFA	IDWMP	SOUTHWEST DIVISION MCAS EL TORO
M60050 PLAN N6871192D4670 1500	001193	01/22/96 08/01/95 00059 03.3	BECHTEL NATIONAL INC T.W. LATAS SOUTHWEST DIVISION	FINAL FIELD SAMPLING PLAN PHASE II RI/FS							ADMIN RECORD	RI FS TECH/GUID DOC. NFA	OU1,OU2, OU2A,OU2B OU2C, OU3 1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16, 17,19,20, 21,22,24, 25	SOUTHWEST DIVISION
M60050 RPT N6871192D4670 0002	001244	02/09/96 08/01/95 00059 01.1	BECHTEL NATIONAL INC J. KLEUSENER SOUTHWEST DIVISION J. ASHMAN	FINAL QUALITY ASSURANCE PROJECT PLAN, PHASE II RI/FS							ADMIN RECORD INFO REPOSITORY	QAPP RI FS TECH/GUID DOC. NFA	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR N6871192D4670 0015	001245	02/09/96 08/01/95 00059 10.1	BECHTEL NATIONAL INC J. KLEUSENER SOUTHWEST DIVISION J. ASHMAN	RESPONSE TO COMMENTS, DRAFT QUALITY ASSURANCE PROJECT PLAN PHASE II RI/FS							ADMIN RECORD INFO REPOSITORY	RI FS QAPP COMMENTS TECH/GUID DOC. NFA	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 0075	001373	03/19/96 08/01/95 00059 03.4	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION J. ASHMAN	FINAL QUALITY ASSURANCE PROJECT PLAN PHASE II RI/FS							ADMIN RECORD INFO REPOSITORY	QAPP TECH/GUID DOC. NFA	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13, 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D467000 0075	001465	05/21/96 08/01/95 00059 08.0	BECHTEL NATIONAL INC T. LATAS SOUTHWEST DIVISION	FINAL RISK ASSESSMENT WORK PLAN (DOCUMENT SIGNED 8/29/95)							ADMIN RECORD INFO REPOSITORY	RISK TECH/GUID DOC. NFA	OU1,OU2A OU2B,OU2C OU3,1,2,3, 4,5,6,7,8, 9,10,11,12 13,14,15 16,17,18 19,20,21 22,24,25	SOUTHWEST DIVISION MCAS EL TORO

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site....	Location.....
DOCUMENT TYPE...	DOC DATE	FROM SIGNATURE.....						
CONTR/GUID..NO..	CTO.NO..	TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
M60050 LTR N6871192D4670 0002	001243 08/09/95 00059 10.1	BECHTEL NATIONAL INC J. KLEUSENER SOUTHWEST DIVISION J. ASHMAN	RESPONSE TO COMMENTS FOR WORK PLAN AND FIELD SAMPLING PLAN PHASE II RI/FS	ADMIN RECORD	RI FS COMMENTS NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20, 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 RPT N6871192D4670 0002	001242 08/16/95 00059 03.2	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION J. ASHMAN	FINAL FIELD SAMPLING PLAN PHASE II RI/FS	ADMIN RECORD INFO REPOSITORY	RI FS TECH/GUID DOC. NFA	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 LTR 0000000000000000 0001	001297 08/25/95 00059 02.7	US EPA REGION IX B. ARTHUR MCAS EL TORO J. JOYCE	EPA LETTER STATING CONCERN OVER PLANS TO CONDUCT CPT SOIL GAS TESTING AND HYDROPUNCH SAMPLING BEFORE APPROVAL OF PHASE II RI/FS, QAPP AND FSP	ADMIN RECORD	RI FS QAPP NFA	1,2,3,4,5 6,7,8,9,10 11,12,13, 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0007	001339 08/30/95 00076 03.6	BECHTEL NATIONAL INC T. LATAS SOUTHWEST DIVISION	30 AUGUST 1995 MINUTES FOR WEEKLY BASE CLEANUP TEAM MEETING HELD TO DISCUSS FINDINGS AND DECISIONS FOR RI/FS AT SITES 2,3,5,17,24,25	ADMIN RECORD	RI FS BCP NFA TECH/GUID DOC.	2,3,5,17 24,25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 LTR N6871192D4670 0003	001239 09/06/95 00059 10.1	BECHTEL NATIONAL J. KLEUSENER SOUTHWEST DIVISION P. KENNEDY	RESPONSE TO COMMENTS DOCUMENT, PREPARED IN CONJUNCTION WITH THE FINAL RISK ASSESSMENT WORK PLAN PHASE II RI/FS	ADMIN RECORD	COMMENTS RISK RI FS NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 LTR N6871192D4670 0002	001240 09/06/95 00059 08.2	BECHTEL NATIONAL J. KLEUSENER SOUTHWEST DIVISION J. ASHMAN	FINAL RISK ASSESSMENT WORK PLAN PHASE II RI/FS	ADMIN RECORD	RI FS NFA TECH/GUID DOC.	OU2,OU3,1 2,3,4,5,6 7,8,9,10 11,12,13 14,15,16 17,19,20 21,22,24 25	SOUTHWEST DIVISION MCAS EL TORO	

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001341	03/18/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR 6 SEPTEMBER 1994 WEEKLY BRAC	ADMIN RECORD	RI	2,3,4,5,17	SOUTHWEST DIVISION	
MISC		09/06/95	T. LATAS	CLEANUP TEAM MEETING HELD TO DISCUSS FINDINGS AND		FS	24,25	MCAS EL TORO	
0000000000000000		00076	SOUTHWEST DIVISION	DECISIONS REGARDING RI/FS AT SITES 2,3,5,17,24, AND 25		MTG MINS			
0007		03.6				BCP			
						TECH/GUID DOC.			
						NFA			
M60050	001352	03/18/96	BECHTEL NATIONAL INC	SUBMITTAL OF DRAFT FORMER EMPLOYEE INTERVIEW COMMENTS	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION	
MISC		09/06/95	D. TEDALDI	OF 17 AUGUST 1995 CLEAN II AQ/QC FOR MCAS EL TORO		TECH/GUID DOC.		MCAS EL TORO	
N6871192D4670		00080	SOUTHWEST DIVISION			NFA			
0003		10.0	J. ASHMAN						
M60050	001370	03/19/96	BECHTEL NATIONAL INC	FINAL RISK ASSESSMENT WORK PLAN PHASE II RI/FS	ADMIN RECORD	RISK	OU2,OU3,1	SOUTHWEST DIVISION	
RPT		09/06/95	D. COWSER		INFO REPOSITORY	RI	2,3,4,5,6	MCAS EL TORO	
N6871192D4670		00059	SOUTHWEST DIVISION			FS	7,8,9,10,		
0130		08.0	J. ASHMAN			TECH/GUID DOC.	11,12,13,		
						NFA	14,15,16		
							17,19,20		
							21,22,24		
							25		
M60050	001371	03/19/96	BECHTEL NATIONAL INC	RESPONSES TO VARIOUS AGENCIES COMMENTS ON THE FINAL	ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION	
MISC		09/06/95	D. COWSER	RISK ASSESSMENT WORKPLAN FOR PHASE II RI/FS		FS	2,3,4,5,6	MCAS EL TORO	
N6871192D4670		00059	SOUTHWEST DIVISION			COMMENTS	7,8,9,10		
0020		10.1	J. ASHMAN			RISK	11,12,13		
						TECH/GUID DOC.	14,15,16		
						NFA	17,19,20		
							21,22,24		
							25		
M60050	001569	07/11/96	BECHTEL NATIONAL INC	MINUTES FROM BRAC CLEANUP TEAM (BCT) MEETING HELD TO	ADMIN RECORD	BCT	OU2,2,3,5	SOUTHWEST DIVISION	
MM		09/06/95	K. LYONS	DISCUSS FINDINGS OF OU-2 FIELD INVESTIGATIONS,		MTG MINS	17,24,25	MCAS EL TORO	
0000000000000000		00000	BCT MEMBERS	SCHEDULE OF UPCOMING INVESTIGATIONS, AND BCT DECISIONS		TECH/GUID DOC.			
0005		01.1				NFA			
M60050	001340	03/18/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR 13 SEPTEMBER 1995 BRAC CLEANUP	ADMIN RECORD	RI	2,3,5,17	SOUTHWEST DIVISION	
MISC		09/13/95	T. LATAS	TEAM MEETING TO DISCUSS FINDINGS AND DISCUSSIONS FOR		FS	24,25	MCAS EL TORO	
0000000000000000		00076	SOUTHWEST DIVISION	RI/FS AT SITES 2,3,5,17,24, AND 25		MTG MINS			
0015		03.6				BCT			
						TECH/GUID DOC.			
						NFA			
M60050	001300	03/14/96	US EPA REGION IX	US EPA COMMENTS ON THE MCAS EL TORO FINAL WORK PLAN	ADMIN RECORD	COMMENTS	1,2,3,4,5	SOUTHWEST DIVISION	
MISC		09/15/95		AND FIELD SAMPLING PLAN PHASE II RI/FS		RI	6,7,8,9,10	MCAS EL TORO	
0000000000000000		00000	BECHTEL NATIONAL INC			FS	11,12,13		
0001		03.6	D. COWSER			NFA	14,15,16		
						TECH/GUID DOC.	17,19,20		
							21,22,24		
							25		

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....	APPROX.#.OF.PAGES	EPA.CAT#						
M60050	001059	12/11/95	EPA SAN FRANCISCO	COMMENTS ON THE FINAL PHASE II RI/FS WORKPLAN AND				ADMIN RECORD	COMMENTS	3,7,12,24,	SOUTHWEST DIVISION
LTR		09/19/95	B. ARTHUR	FIELD SAMPLING PLAN IN EITHER REVISED PAGES OR BY					RI	OU2,OU2A,	
0000000000000000		00000	SOUTHWEST DIVISION	ADDENDUM					NFA	OU3	
0002		03.3	J. JOYCE						TECH/GUID DOC.		
M60050	001237	02/08/96	BECHTEL NATIONAL	RESPONSE TO COMMENTS FOR FINAL QUALITY ASSURANCE				ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION
LTR		11/06/95	D. COWSER	PROJECT PLAN PHASE II RI/FS					FS	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00059	SOUTHWEST DIVISION						COMMENTS	7,8,9,10	
0008		10.1	P. KENNEDY						QAPP	11,12,13	
									NFA	14,15,16	
									TECH/GUID DOC.	17,19,20	
										21,22,24	
										25	
M60050	001229	01/31/96	BECHTEL NATIONAL INC	RESPONSE TO COMMENTS FOR DRAFT FINAL WORK PLAN AND				ADMIN RECORD	RI	4,7,11,13,	SOUTHWEST DIVISION
LTR		11/27/95	D. COWSER	FIELD SAMPLING PLAN PHASE II REMEDIAL INVESTIGATION/					FS	14,19,20	MCAS EL TORO
N6871192D4670		00063	SOUTHWEST DIVISION	FEASIBILITY STUDY					COMMENTS		
0004		10.1	P. KENNEDY						NFA		
									TECH/GUID DOC.		
M60050	001236	02/08/96	BECHTEL NATIONAL	RESPONSE TO COMMENTS FOR DRAFT FINAL WORKPLAN AND				ADMIN RECORD	RI	OU2,OU3,1	SOUTHWEST DIVISION
LTR		11/27/95	D. COWSER	FIELD SAMPLING PLAN PHASE II RI/FS					NFA	2,3,4,5,6	MCAS EL TORO
N6871192D4670		00059	SOUTHWEST DIVISION						TECH/GUID DOC.	7,8,9,10	
0008		10.1	P. KENNEDY							11,12,13,	
										14,15,16	
										17,19,20	
										21,22,24	
										25	
M60050	001177	12/26/95	JACOBS ENGINEERING	RESPONSE TO COMMENTS RECEIVED FROM THE DTSC AND EPA				ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION
LTR		11/29/95		REGARDING THE RI/FS DRAFT OUI BASELINE HUMAN HEALTH					HRA		
N6871189D9296		00145	SOUTHWEST DIVISION	RISK ASSESSMENT REPORT OF 01 JULY 1994					NFA		
0010		01.1	A. BARKER								
M60050	001205	01/23/96	BECHTEL NATIONAL INC	SUBMITTAL OF FINAL RESULTS OF EMPLOYEE INTERVIEW AT				ADMIN RECORD	NFA		SOUTHWEST DIVISION
LTR		01/09/96	D. TEDALDI	MCAS EL TORO					TECH/GUID DOC.		MCAS EL TORO
N6871192D4670		00008	SOUTHWEST DIVISION								
0012		05.4	P. KENNEDY								
M60050	001357	03/18/96	BECHTEL NATIONAL INC	SUBMITTAL OF FINAL RESULTS OF EMPLOYEE INTERVIEW				ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION
LTR		01/09/96	D. TEDALDI	AUGUST 17, 1995					NFA		MCAS EL TORO
N6871192D4670		00080	MCAS EL TORO						TECH/GUID DOC.		
0008		10.0	J. JOYCE								
M60050	001276	03/12/96	BECHTEL NATIONAL INC	MEETING MINUTES 30 JANUARY 1996 WEEKLY BRAC CLEANUP				ADMIN RECORD	MTG MINS	1,2,3,4,5	SOUTHWEST DIVISION
MISC		02/06/96	D. COWSER	TEAM (BCT) FOR PHASE II RI/FS MCAS EL TORO					BRAC	6,7,8,9,10	MCAS EL TORO
N6871192D4670		00000	SOUTHWEST DIVISION						TECH/GUID DOC.	11,12,13	
0020		11.3	P. KENNEDY						NFA	14,15,16	
										17,19,20	
										21,22,24	
										25,OU2,OU3	

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site.....	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001399	03/20/96	BECHTEL NATIONAL INC	MEETING MINTUES 07 FEBRUARY 1996 WEEKLY BCT BRIEFING	ADMIN RECORD	MTG MINS	OU3,OU2A,	SOUTHWEST DIVISION	
MISC		02/14/96	D. COWSER	HELD TO DISCUSS OU3, THE BCP, LANDFILL SITES, OU2A,		BCP	OU2B,1,2,4	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION	OU2B		NFA	7,8,9,10		
0003		05.4	P. KENNEDY			TECH/GUID DOC.	11,12,13,		
							14,15,16		
							17,19,20		
							21,22,24		
							25		
M60050	001400	03/20/96	BECHTEL NATIONAL INC	MEETING MINTUES 21 FEBRUARY 1996 WEEKLY BCT BRIEFING	ADMIN RECORD	MTG MINS	OU2A,OU2B	SOUTHWEST DIVISION	
MISC		02/29/96	D. COWSER	HELD TO DISCUSS OU2A, OU2B, AND OU3 FIELDWORK,		BCP	OU3,1,2,4	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION	INCLUDES MEETING MATERIALS		BCT	6,7,8,9,10		
0023		05.4	P. KENNEDY			TECH/GUID DOC.	11,12,13		
						NFA	14,15,16		
							17,19,20		
							21,22,24		
							25		
M60050	001401	03/20/96	BECHTEL NATIONAL INC	BASE REALIGNMENT AND CLOSURE PLAN (BCP) DATED MARCH	ADMIN RECORD	BCP	OU1,OU2,	SOUTHWEST DIVISION	
MISC		03/01/96	D. COWSER	1, 1996 (SIGNED 2/20/96)	INFO REPOSITORY	TECH/GUID DOC.	OU3,1,2,3,	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	4,5,6,7,8		
0250		05.4	P. KENNEDY				9,10,11,		
							12,13,14		
							15,16,17		
							18,19,20		
							21,22,24		
							25		
M60050	001396	03/20/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR THE 28 FEBRUARY 1996 BASE CLEANUP	ADMIN RECORD	MTG MINS	OU3,OU2A	SOUTHWEST DIVISION	
MISC		03/05/96	D. COWSER	TEAM MEETING HELD TO DISCUSS OU3, THE BCP, OU2A, AND		BCP	1,4,6,7,8	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION	THE LANDFILL SITES		TECH/GUID DOC.	9,10,11,12		
0009		05.4	P. KENNEDY			NFA	13,14,15		
							16,19,20		
							21,22,24		
							25		
M60050	001382	03/20/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR 6 MARCH 1996 BASE CLEANUP TEAM	ADMIN RECORD	MTG MINS	OU3,24,25	SOUTHWEST DIVISION	
MISC		03/12/96	D. COWSER	MEETING HELD TO DISCUSS SITES 24,25, LANDFILL SITES,		CLEANUP		MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION	AND OU3 FIELD WORK; MEETING MATERIALS		TECH/GUID DOC.			
0020		05.4	P. KENNEDY			NFA			
M60050	001617	09/04/96	DTSC LONG BEACH	COMMENTS AND RECOMMENDATIONS ON THE FINAL RESULTS OF	ADMIN RECORD	COMMENTS	6	SOUTHWEST DIVISION	
LTR		03/12/96	T. MAHMOUD	EMPLOYEE INTERVIEW, AUGUST 17, 1996 FOR THE NO FURTHER		NFA	7	MCAS EL TORO	
0000000000000000		00080	MCAS EL TORO	ACTION DETERMINATIONS W/ENCL			8		
0006		10.1	J. JOYCE				9		
							10		
							12		
							14		
							17		
							19		
							23		
							24		

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID.NO.	CTO.NO.	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001418	04/03/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR 13 MARCH 1996 BRAC CLEANUP TEAM	ADMIN RECORD	MTG MINS	OU2A,OU2B	SOUTHWEST DIVISION	
MISC		03/18/96	D. COWSER	MEETING HELD TO DISCUSS OU2A, OU2B, AND OU3		BCP	OU3,1,2,4	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION			TECH/GUID DOC.	6,7,8,9,10		
0003		03.1	P. KENNEDY			NFA	11,12,13		
							14,15,16		
							17,19,20		
							21,22,24		
							25		
M60050	001412	03/25/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR 20 MARCH 1996 WEEKLY BRAC CLEANUP	ADMIN RECORD	MTG MINS	OU2A,OU2B	SOUTHWEST DIVISION	
MISC		03/21/96	D. COWSER	TEAM MEETING HELD TO DISCUSS OU2A,OU2B, OU3, AND		BCP	OU3,1,2,4	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION	EMPLOYEE INTERVIEWS		TECH/GUID DOC.	6,7,8,9,10		
0003		05.4	P. KENNEDY			NFA	11,12,13,		
							14 15,16,		
							17,19,20		
							21,22,24,		
							25		
M60050	001331	03/18/96	BECHTEL NATIONAL INC	MEETING MINUTES FOR 27 MARCH 1996 WEEKLY BASE CLEANUP	ADMIN RECORD	BCT	OU2A,OU2B,	SOUTHWEST DIVISION	
MISC		04/01/96	D. COWSER	TEAM MEETING HELD TO DISCUSS SITES 24 AND 25, THE		MTG MINS	OU3,1,2,3,	MCAS EL TORO	
N6871192D4670		00079	SOUTHWEST DIVISION	LANDFILL SITES, AND OU3 (SITE 15) FIELDWORK		OU	4,5,6,7,8,		
0007		03.6	P. KENNEDY			TECH/GUID DOC.	9,10,11,12		
						NFA	13,14,15		
							16,17,19		
							20,21,22		
							24,25		
M60050	001017	06/19/96	BECHTEL NATIONAL INC	MINUTES FROM 3 APRIL 1996 BRAC CLEANUP TEAM MEETING	ADMIN RECORD	MTG MINS	OU2A,OU2B	SOUTHWEST DIVISION	
MM		04/05/96	D. COWSER	HELD TO DISCUSS OU2A, OU2B AND OU3		BCP	OU3,1,2,	MCAS EL TORO	
N6871192D467000		00079	SOUTHWEST DIVISION			TECH/GUID DOC.	4,6,7,8,9,		
0004		00.0	P. KENNEDY			NFA	10,11,12		
							13,14,15		
							16,17,19		
							20,21,22		
							24,25		
M60050	000365	06/19/96	BECHTEL NATIONAL INC	MINUTES FROM 10 APRIL 1996 WEEKLY BRAC CLEANUP TEAM	ADMIN RECORD	MTG MINS	OU2A,OU2B	SOUTHWEST DIVISION	
MM		04/17/96	D. COWSER	MEETING HELD TO DISCUSS OU2A, OU2B, OU3, AND RCRA		BCP	OU3,1,2,3,	MCAS EL TORO	
N6871192D467000		00079	SOUTHWEST DIVISION	FACILITY ASSESSMENT ADDENDUM		RFA	4,6,7,8,9		
0005		00.0	P. KENNEDY			TECH/GUID DOC.	10,11,12		
						NFA	13,14,15		
							16,17,19		
							20,21,22,		
							24,25		
M60050	000159	06/19/96	BECHTEL NATIONAL INC	MINUTES FROM 17 MARCH 1996 WEEKLY BRAC CLEANUP TEAM	ADMIN RECORD	MTG MINS	OU2A,OU2B	SOUTHWEST DIVISION	
MM		04/29/96	D. COWSER	MEETING HELD TO DISCUSS OU2A, OU2B, AND OU3		BCP	OU3,1,2,	MCAS EL TORO	
N6871192D467000		00079	SOUTHWEST DIVISION			OU	4,6,7,8,9		
0015		00.0	P. KENNEDY			TECH/GUID DOC.	10,11,12,		
						NFA	13,14,15		
							16,17,19		
							20,21,22		
							24,25		

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....									
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....									
M60050 MM N6871192D467000 0022	000386 05/02/96 00079 00.0	06/19/96 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC MINUTES FROM 24 APRIL 1996 BRAC CLEANUP TEAM MEETING HELD TO DISCUSS OU2A, OU2B, OU3, AND MCLS FOR TRICHLOROETHYLENE	ADMIN RECORD		MTG MINS BCP TCE TECH/GUID DOC. NFA	OU2A,OU2B OU3,1,2, 4,6,7,8,9 10,11,12 13,14,15 16,17,19 20,21,22, 24,25	SOUTHWEST DIVISION MCAS EL TORO			
M60050 MM N6871192D4670 0005	001505 05/28/96 00073 01.1	06/06/96 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC MINUTES FROM WEEKLY BRAC CLEANUP TEAM MEETING HELD ON 15 MAY 1996 TO DISCUSS OU1, OU2A, OU2B, AND OU3	ADMIN RECORD		GW BCT MTG MINS TECH/GUID DOC. NFA	OU1,OU2A OU3,1,2, 4,6,7,8,9 10,11,12, 13,14,15 16,18,19 20,21,22 24,25	SOUTHWEST DIVISION MCAS EL TORO			
M60050 MM N6871192D4670 0011	001506 05/31/96 00079 01.1	06/06/96 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC MINUTES FROM WEEKLY BRAC CLEANUP TEAM MEETING HELD 22 MAY 1996 TO DISCUSS OU1, OU2A, OU2B, AND OU3	ADMIN RECORD		OU MTG MINS BCT TECH/GUID DOC. NFA	OU1,OU2A OU2B,OU3 1,2,3,4,5 6,7,8,9,10 11,12,13 14,15,16 17,18,19, 20,21,22 24,25	SOUTHWEST DIVISION MCAS EL TORO			
M60050 RPT N6871192D4670 0075	001508 06/01/96 00076 01.1	06/06/96 T. LATAS SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC TECHNICAL MEMORANDUM BACKGROUND AND REFERENCE LEVELS REMEDIAL INVESTIGATIONS (BACKGROUND CONCENTRATIONS - METALS; REFERENCE LEVELS - HERBICIDES, PESTICIDES)	ADMIN RECORD		TECH MEMO RI NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO			
M60050 RPT N687192D4670000 0030	001515 06/01/96 00079 01.1	07/03/96 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC TECHNICAL MEMORANDUM REVISED RISK ASSESSMENT PROCEDURES (DOCUMENT SIGNED 10 JUNE 1996)	ADMIN RECORD		TECH MEMO RISK NFA TECH/GUID DOC.	OU3,1,4,6 7,8,9,10, 11,12,13 14,15,16 19,20,21 22,23	SOUTHWEST DIVISION MCAS EL TORO			
M60050 MM N6871192D467000 0003	001510 06/06/96 00079 01.1	06/14/96 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC MEETING MINUTES FROM 29 MAY 1996 BRAC CLEANUP TEAM MEETING HELD TO DISCUSS OU 1, OU2A, OU2B, AND OU3	ADMIN RECORD		MTG MINS BCT TECH/GUID DOC. NFA	OU1,OU2A, OU2B,OU3,1 2,4,6,7,8, 9,10,11,12 13,14,15, 16,17,18 19,20,21 22,24,25	SOUTHWEST DIVISION MCAS EL TORO			

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....									
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....									
M60050 MM N6871192D4670000 0009	001517 06/20/96 00079 01.1	07/03/96 06/20/96 00079 01.1	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION P. KENNEDY	MEETING MINUTES FROM 12 JUNE 1996 BRAC CLEANUP TEAM (BCT) MEETING HELD TO DISCUSS OU 1, 2A, 2B, AND OU 3				ADMIN RECORD	BCT MTG MINS TECH/GUID DOC. NFA	OU1,OU2A OU2B,OU3,1 2,4,6,7,8, 9,10,11,12 13,14,15, 16,17,18 19,20,21 22,24,25	SOUTHWEST DIVISION MCAS EL TORO
M60050 XMTL N6871192D4670 0022	001646 07/08/96 00079 10.5	09/27/96 07/08/96 00079 10.5	BNI SAN DIEGO D.K. COWSER SOUTHWEST DIVISION P. KENNEDY	JUNE 19, 1996 BCT MEETING MINUTES W/ENCL				ADMIN RECORD	MTG MINS TECH/GUID DOC. NFA	6 8 15 3 5 OU1 OU2A 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0020	001599 07/24/96 00000 10.1	09/04/96 07/24/96 00000 10.1	DTSC LONG BEACH T. MAHMOUD MCAS EL TORO J. JOYCE	COMMENTS ON TECHNICAL MEMORANDUM BACKGROUND AND REFERENCE LEVELS REMEDIAL INVESTIGATION W/ENCL				ADMIN RECORD INFO REPOSITORY	COMMENTS NFA	400055-45	SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0004	001600 07/24/96 00000 10.1	09/04/96 07/24/96 00000 10.1	DTSC LONG BEACH T. MAHMOUD MCAS EL TORO J. JOYCE	COMMENTS ON TECHNICAL MEMORANDUM RISK ASSESSMENT PROCEDURES W/ENCL				ADMIN RECORD INFO REPOSITORY	COMMENTS NFA TECH/GUID DOC.	OU3	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 0050	001644 07/30/96 00065 06.3	09/27/96 07/30/96 00065 06.3	BNI SAN DIEGO D. COWSER SOUTHWEST DIVISION R. SELBY	FINAL REPORT ANTHROPOGENIC PAH REFERENCE-LEVEL STUDY				ADMIN RECORD INFO REPOSITORY	BACKGROUND DIOXIN LAB NFA TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO
M60050 XMTL N6871192D4670 0044	001650 07/30/96 00079 10.6	09/27/96 07/30/96 00079 10.6	BNI SAN DIEGO D.K. COWSER SOUTHWEST DIVISION R. SELBY	JULY 10, 1996 BCT MEETING MINUTES W/ENC				ADMIN RECORD	MTG MINS TECH/GUID DOC. NFA	OU1 24 OU2A OU2B OU3 OU2C 18 25 2 17 3 5	SOUTHWEST DIVISION MCAS EL TORO
M60050 XMTL N6871192D4670 0009	001651 07/30/96 00079 10.6	09/27/96 07/30/96 00079 10.6	BNI SAN DIEGO D.K. COWSER SOUTHWEST DIVISION R. SELBY	JULY 17, 1996 BCT MEETING MINUTES W/ENC				ADMIN RECORD	MTG MINS TECH/GUID DOC. NFA	OU1 24 2 17 OU3 OU3A	SOUTHWEST DIVISION MCAS EL TORO

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

M60050 001651 continued

OU3B
OU2B
OU2C

M60050	001652	09/27/96	BNI SAN DIEGO	JULY 24, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	OU1	SOUTHWEST DIVISION
XMTL		07/30/96	D.K. COWSER			TECH/GUID DOC.	OU2A	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	24	
0003		10.6	R. SELBY				25	

OU1
OU2A
24
25
2
17
OU3
OU2B
OU2C

M60050	001653	09/27/96	BNI SAN DIEGO	JULY 25, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	SOUTHWEST DIVISION
XMTL		08/07/96	D.K. COWSER			TECH/GUID DOC.	MCAS EL TORO
N6871192D4670		00080	SOUTHWEST DIVISION			NFA	
0003		10.6	R. SELBY				

M60050	001654	09/27/96	BNI SAN DIEGO	JULY 16, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	OU3	SOUTHWEST DIVISION
XMTL		08/07/96	D.K. COWSER	W/ENCL		TECH/GUID DOC.	24	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	OU3	
0018		10.6	R. SELBY				25	

OU3
24
OU3
25
OU3B
OU2A
2
17
OU1

M60050	001655	09/27/96	BNI SAN DIEGO	AUGUST 7, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	OU1	SOUTHWEST DIVISION
XMTL		08/14/96	D.K. COWSER			TECH/GUID DOC.	OU2	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	24	
0003		10.6	R. SELBY				OU2B	

OU1
OU2
24
OU2B
OU2C
OU3
25
OU3B

M60050	001658	09/27/96	BNI SAN DIEGO	AUGUST 21, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	OU1	SOUTHWEST DIVISION
XMTL		08/27/96	D.K. COWSER	W/ENCL		TECH/GUID DOC.	24	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	17	
0005		10.6	R. SELBY				2	

OU1
24
17
2
3
5
OU3A
OU3B

M60050	001671	09/30/96	BNI SAN DIEGO	SEPTEMBER 25, 1996, DRAFT RAB MEETING AGENDA	ADMIN RECORD	MTG MINS	B	SOUTHWEST DIVISION
XMTL		09/11/96	D. COWSER	SITE (B) BASEWIDE COMMUNITY RELATIONS SUPPORT MEETING	INFO REPOSITORY	CRP	2	MCAS EL TORO
N6871192D4670		0063B	SOUTHWEST DIVISION	MAILER & JULY 31, 1996 DRAFT MEETING MINUTES		RAB	17	
0013		10.5	R. SELBY			NFA	4	

MTG MINS	8
CRP	2
RAB	17
NFA	4
PUB. PARTICIPATI	7
	11


```
UIC No.   DOC.NO.   PRC.DATE   FROM.....  
DOCUMENT TYPE... DOC.DATE   FROM.SIGNATURE.....  
CONTR/GUID..NO.. CTO.NO.. TO..... SUBJECT..... CLASSIFICATION    KEY WORDS      ...Site... ..Location.....  
APPROX.# OF.PAGES EPA.CAT# TO.SIGNATURE.....
```

13
14
19
20
QUIZ A

M60050	001673	09/30/96	BNI SAN DIEGO	SEPTEMBER 17, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	OU1	SOUTHWEST DIVISION
XMTL		09/19/96	D. COWSER			ARAR	OU2B	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			TECH/GUID DOC.	OU2C	
0003		10.5	R. SELBY			NFA	BLDG. 368	
M60050	001706	11/13/96	BNI SAN DIEGO	SEPTEMBER 25, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	2	SOUTHWEST DIVISION
MM		10/15/96	D. COWSER			TECH/GUID DOC.	17	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	19	
0013		10.4	R. SELBY				UNIT 2	
M60050	001707	11/13/96	BNI SAN DIEGO	OCTOBER 9, 1996 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS	2	SOUTHWEST DIVISION
XMTL		10/15/96	D. COWSER			TECH/GUID DOC.	17	MCAS EL TORO
N6871192D4670		00079	SOUTHWEST DIVISION			NFA	3	
0004		10.4	R. SELBY				5	
M60050	001864	03/26/97	DTSC LONG BEACH	FINAL TECHNICAL MEMORANDUM APPROVAL: BACKGROUND AND	ADMIN RECORD	TECH MEMO		SOUTHWEST DIVISION
LTR		11/01/96	J. SCANDURA	REFERENCE LEVELS RI (REFER DOC# 001945)	INFO REPOSITORY	RI		MCAS EL TORO
0000000000000000		00000	MCAS EL TORO			NFA		
0002		10.1	J. JOYCE			TECH/GUID DOC.		
M60050	001729	01/29/97	BECHTEL NATIONAL	DRAFT PHASE II REMEDIAL INVESTIGATION/FEASIBILITY	ADMIN RECORD	RI	1	SOUTHWEST DIVISION
RPT		01/21/97	G.P.BROOKS	STUDY ADDENDUM SITE 25	INFO REPOSITORY	FS	4	MCAS EL TORO
N6871192D4670		00073	SOUTHWEST DIVISION			ADPM	6	
2000		03.4				NFA	16	
							19	
							20	
							21	
							22	
							24	
							25	
							5	
							18	
							2	
							3	
							OU 1	
							OU 2A	
							OU 2B	
							OU 2C	
							OU 3	
							15	
							17	
							8	
							9	
							10	
							11	
							12	
							13	

DOC. NO.	DOC. DATE	FROM	SUBJECT	CLASSIFICATION	KEY WORDS	Site	Location
M60050 001826 RPT N6871192D4670 1500	06/01/97 06/01/97 00079 04.2	BECHTEL NATIONAL INC D. TELDALDI VARIOUS AGENCIES	DRAFT FINAL PHASE II RI REPORT OU 3A SITES VOL. III ATTACHMENTS J-N (REF. DOC. 001824 AND 001825)	ADMIN RECORD INFO REPOSITORY	RI OU SOIL VOC GW FUEL RISK PCB NFA	OU 3A 16 19 20 21 22 4 6 8 9 10 11 12 13 15	SOUTHWEST DIVISION MCAS EL TORO
M60050 001951 RPT N6871192D4670 2000	06/11/97 06/01/97 00079 03.4	BECHTEL NATIONAL INC	DRAFT FINAL PHASE II REMEDIAL INVESTIGATION REPORT OU-3A SITES VOLUME IV OF IX APPENDICES A-G	ADMIN RECORD INFO REPOSITORY	RI OU NFA	OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 001952 RPT 0000000000000000 2000	06/11/97 06/01/97 00079 03.4	BECHTEL NATIONAL INC	DRAFT FINAL PHASE II REMEDIAL INVESTIGATION REPORT OU-3A SITES VOLUME V OF IX APPENDIX H, PART I	ADMIN RECORD INFO REPOSITORY	RI OU NFA	OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 001953 RPT 0000000000000000 2000	06/11/97 06/01/97 00079 03.4	BECHTEL NATIONAL INC SOUTHWEST DIVISION	DRAFT FINAL PHASE II REMEDIAL INVESTIGATION REPORT OU-3A SITES VOLUME VI OF IX APPENDIX H, PART 2	ADMIN RECORD INFO REPOSITORY	RI OU NFA	OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 001954 RPT 0000000000000000 2000	06/11/97 06/01/97 00079 03.4	BECHTEL NATIONAL INC SOUTHWEST DIVISION	DRAFT FINAL PHASE II REMEDIAL INVESTIGATION REPORT OU-3A SITES VOLUME VII OF IX APPENDICES I & J, PART 1	ADMIN RECORD INFO REPOSITORY	RI OU NFA	OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 001955 RPT 0000000000000000 2000	06/11/97 06/01/97 00079 03.4	BECHTEL NATIONAL INC SOUTHWEST DIVISION	DRAFT FINAL PHASE II REMEDIAL INVESTIGATION REPORT OU-3A SITES VOLUME VIII OF IX APPENDIX J, PART 2	ADMIN RECORD INFO REPOSITORY	RI OU NFA	OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 001956 RPT 0000000000000000 2000	06/11/97 06/01/97 00079 03.4	BECHTEL NATIONAL INC SOUTHWEST DIVISION	DRAFT FINAL PHASE II REMEDIAL INVESTIGATION REPORT OU-3A SITES VOLUME IX OF IX APPENDICES K-O	ADMIN RECORD INFO REPOSITORY	RI OU NFA	OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 001957 LTR 0000000000000000 0000	06/12/97 06/01/97 00000 01.6	MCAS EL TORO J. JOYCE VARIOUS AGENCIES	CLARIFICATION OF SITE 25 BOUNDARY	ADMIN RECORD	NFA	OU 2A 25	SOUTHWEST DIVISION MCAS EL TORO

DATE - 12/24/98

PAGE - 34

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
DOCUMENT TYPE...	DOC DATE	FROM SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 MEMO N6871192D4670 0011	001946 06/02/97 00142 11.0	06/06/97 C. CARLISLE VARIOUS AGENCIES	BECHTEL NATIONAL INC	TECHNICAL MEMORANDUM-FINAL DATA MANAGEMENT PLAN PHASE II REMEDIAL INVESTIGATION/FEASIBILITY STUDY DATED JUNE 1997	ADMIN RECORD INFO REPOSITORY	TECH MEMO RI FS NFA			SOUTHWEST DIVISION MCAS EL TORO
M60050 PLAN 0000000000000000 0000	001950 06/16/97 00000 01.6	06/06/97 D. TEDALDI SOUTHWEST DIVISION T. MARTIN	BECHTEL NATIONAL INC	PROPOSED PLAN MCAS EL TORO NO FURTHER ACTION SITES	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI NFA	4 6 9 10 13 15 19 20 21 22 25		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871195D7530 1000	002007 06/30/97 DO#09 01.1	09/24/97 CDM FEDERAL CORP. VARIOUS AGENCIES	CDM FEDERAL CORP.	GROUNDWATER MONITORING REPORT MARCH 1997 SAMPLING ROUND VOLUMES I AND II	ADMIN RECORD	GW MONITORING SAP TECH/GUID DOC. NFA	2 3 4 13 15 OU 2B OU 2C OU 3A		SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871192D4670 0005	001966 07/01/97 0076 01.6	08/20/97 D. TEDALDI VARIOUS AGENCIES	BECHTEL NATIONAL INC	JULY 1, 1997 BCT MEETING MINUTES	ADMIN RECORD	MTG MINS ROD NFA	2 3 5 17 OU 1 OU 2A OU 2B OU 2C 8 11 12 24		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 0586	001965 07/10/97 0079 04.2	07/23/97 J. SCHOLFIELD VARIOUS AGENCIES	BECHTEL NATIONAL INC	DRAFT PHASE II FEASIBILITY STUDY OU-3A SITES, MARINE CORPS AIR STATION, EL TORO, CA	ADMIN RECORD INFO REPOSITORY	FS SOIL GW NFA	OU 3A 8 11 12 2 17		SOUTHWEST DIVISION MCAS EL TORO
M60050 MM 0000000000000000 0010	001969 07/31/97 00000 10.4	09/18/97 J. BURGNER MCAS EL TORO	HAHN BOWERSOCK CORP	JULY 31, 1997, PUBLIC COMMENT MEETING PROPOSED PLAN FOR ENVIRONMENTAL RESTORATION NO FURTHER ACTION SITES IRP	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI PUBNOT NFA IRP MTG MINS			SOUTHWEST DIVISION MCAS EL TORO

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site.....	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 MISC 0000000000000000 0017	001970 07/31/97 00000 10.4	09/18/97	MCAS EL TORO		JULY 31, 1997, PUBLIC COMMENT MEETING NO FURTHER ACTION SITES HANDOUTS INCLUDES, PUBLIC COMMENT FORMS, MEETING EVALUATION, AND SIGN-UP SHEETS	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI COMMENTS NFA		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0001	001971 07/31/97 00000 10.6	09/18/97	ORANGE COUNTY REGIST		PUBLIC NOTICE "PRESENTATION AND DISCUSSION MEETING" DATED JULY 31, 1997	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI NFA PUBNOT		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 2000	001989 08/14/97 00076 04.2	09/22/97	BECHTEL NATIONAL INC		DRAFT FINAL PHASE II FEASIBILITY STUDY REPORT-SITE 2	ADMIN RECORD INFO REPOSITORY	FS OU TECH/GUID DOC. NFA	2 OU 2B	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 0129	001967 08/18/97 00135 05.1	09/18/97	BECHTEL NATIONAL INC		DRAFT RECORD OF DECISION OPERABLE UNITS 2A AND 3A NO ACTION SITES	ADMIN RECORD	ROD OU NFA	OU 2A OU 3A 4 6 9 10 13 15 19 20 21 22 25	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670 0031	002059 09/03/97 00079 10.4	01/29/98	BECHTEL NATIONAL INC		RESPONSE TO COMMENTS- DRAFT PHASE II FEASIBILITY STUDY REPORT FOR OPERABLE UNIT 3A (VARIOUS DATES)	ADMIN RECORD INFO REPOSITORY	RESPONSE COMMENTS FS NFA	OU 3A 8 11 12	SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT N6871192D4670 0067	001994 09/05/97 00076 10.1	09/23/97	BECHTEL NATIONAL INC		RESPONSE TO COMMENTS ON DRAFT FINAL PHASE II FEASIBILITY STUDY REPORTS-SITES 2,3,5, AND 17 (VARIOUS DATES)	ADMIN RECORD INFO REPOSITORY	RESPONSE COMMENTS FS NFA TECH/GUID DOC.	2 3 5 17	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0015	001977 09/16/97 00000 10.1	09/18/97	BECHTEL NATIONAL INC		DRAFT RESPONSIVENESS SUMMARY MCAS EL TORO PROPOSED PLAN, OUS 2A AND OU 3A, NO ACTION SITES	ADMIN RECORD INFO REPOSITORY	NFA OU GW ROD SOIL CLEANUP VOC	4 6 9 10 13 15 19 20 21 22 25 OU 2A OU 3A	SOUTHWEST DIVISION MCAS EL TORO

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....								
APPROX.#.OF.PAGES	EPA.CAT#										
M60050	001977	continued									
24											
M60050	001979	09/18/97	MCAS EL TORO	FAXED COPIES OF VARIOUS NEWS CLIPPINGS: PUBLIC		ADMIN RECORD	PUB. PARTICIPATI	OU 2A		SOUTHWEST DIVISION	
MISC		09/17/97	CO	NOTICE DATED JULY 31, 1997 PRESENTATION & DISCUSSION		INFO REPOSITORY		24		MCAS EL TORO	
0000000000000000	00000		BECHTEL NATIONAL INC	MTG.,IRP PROPOSED PLAN OU 2A-SITE 24,NRA , OU 3A			OU	OU 3A			
0004	10.3		B. COLEMAN				NFA				
							VOC				
							CLEANUP				
							ROD				
M60050	001993	09/23/97	OHM REMEDIATION	ON SCENE COORDINATOR REPORT NON-TIME CRITICAL REMOVAL		ADMIN RECORD	NTCRA	19		SOUTHWEST DIVISION	
RPT		09/23/97	W. SEDLAK	FOR SITE 19, UNIT 2 AIRCRAFT EXPEDITIONARY REFUELING			NFA			MCAS EL TORO	
N6871193D1459	DO#59		EPA SAN FRANCISCO								
2000	01.6		G. KISTNER	SITE							
M60050	002006	09/24/97	OHM REMEDIATION	TECHNICAL MEMORANDUM REGARDING CATCH BASIN CLEAN-OUT		ADMIN RECORD	TECH MEMO	21		SOUTHWEST DIVISION	
LTR		09/24/97	J. JOYCE	WEST OF IRP SITE 21-MATERIALS MANAGEMENT GROUP,		INFO REPOSITORY	IRP	BLDG. 320		MCAS EL TORO	
0000000000000000	DO#70		VARIOUS AGENCIES	BUILDING 320 (REF. LETTER DOC.# 002247)			NFA				
0026	01.6										
M60050	002020	09/26/97	BECHTEL NATIONAL INC	DRAFT FINAL RECORD OF DECISION OPERABLE UNITS 2A		ADMIN RECORD	ROD	OU 2A		SOUTHWEST DIVISION	
RPT		09/26/97	D. TEDALDI	AND 3A NO ACTION SITES		INFO REPOSITORY	OU	OU 3A		MCAS EL TORO	
N6871192D4670	00135		VARIOUS AGENCIES				NFA	4			
0100	05.1							6			
								9			
								10			
								13			
								15			
								19			
								20			
								22			
								25			
M60050	002225	07/30/98	CDM FEDERAL CORP.	FINAL GROUNDWATER MONITORING REPORT FOR JULY 1997		ADMIN RECORD	GW	OU 1		SOUTHWEST DIVISION	
RPT		10/01/97	L. DAVIDSON	SAMPLING ROUND		INFO REPOSITORY	MONITORING	OU 2A		MCAS EL TORO	
N6871196D2029	DO#05		SOUTHWEST DIVISION				VOC	OU 2B			
1500	01.2						VOLATILES	OU 2C			
							NFA	OU 3			
M60050	002034	11/24/97	BECHTEL NATIONAL INC	OCTOBER 9, 1997, BCT MEETING MINUTES		ADMIN RECORD	MTG MINS	OU 1		SOUTHWEST DIVISION	
XMTL		10/09/97	D. TEDALDI				NFA	18		MCAS EL TORO	
N6871192D4670	00142		VARIOUS AGENCIES					OU 3A			
0017	10.4							8			
								11			
								12			
								24			
								OU 3			
								1			

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC. NO.	PRC. DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC. DATE	FROM SIGNATURE.....	TO.....	TO.....					
CONTR/GUID. NO...	CTO. NO...	TO.....	TO.....	TO.....					
APPROX. #. OF PAGES	EPA. CAT#	TO SIGNATURE.....							
M60050	002194	05/07/98	BECHTEL NATIONAL INC	RESPONSE TO EPA COMMENTS ON THE DRAFT FINAL PHASE II	ADMIN RECORD	RESPONSE	OU 3A	SOUTHWEST DIVISION	
XMTL		05/05/98	D. TEDALDI	FEASIBILITY STUDY OU 3A SITES DATED FEBRUARY 1998	INFO REPOSITORY	COMMENTS	4	MCAS EL TORO	
N6871192D4670		00079	US EPA			FS	6		
0006		10.1	G. KISTNER			NFA	8		
							9		
							10		
							11		
							12		
							13		
							15		
							16		
							19		
							20		
							21		
							22		
M60050	002215	07/21/98	BECHTEL NATIONAL INC	LETTER DATED JUNE 2, 1998 TRANSMITTING REPLACEMENT	ADMIN RECORD	FS	OU 3A	SOUTHWEST DIVISION	
XMTL		06/02/98	D. TEDALDI	PAGES FOR DRAFT FINAL PHASE II FEASIBILITY STUDY		OU	12	MCAS EL TORO	
N6871192D4670		00079	VARIOUS AGENCIES	OU 3A		NFA			
0042		01.6							
M60050	002219	07/21/98	BECHTEL NATIONAL INC	CLARIFICATION TO RESPONSE TO EPA COMMENTS ON THE	ADMIN RECORD	RESPONSE	OU 3A	SOUTHWEST DIVISION	
XMTL		06/08/98	D. TEDALDI	DRAFT FINAL PHASE II FEASIBILITY STUDY OU 3A SITES		COMMENTS	FS	MCAS EL TORO	
N6871192D4670		00079	VARIOUS AGENCIES	DATED JUNE 8, 1998		NFA	8		
0004		01.6					11		
							12		
M60050	002212	07/21/98	MCAS EL TORO	SUBMITTAL OF FFA SCHEDULE CHANGE REQUEST FOR TWO	ADMIN RECORD	FFA	OU 3	SOUTHWEST DIVISION	
LTR		06/16/98	J. JOYCE	GROUPS OF OU 3 SITES (8, 11, 12 AND 7, 14, 16)		CLEANUP	8	MCAS EL TORO	
0000000000000000		00000	VARIOUS AGENCIES			LANDFILL	11		
0012		01.6				GW	12		
						NFA	7		
							14		
							16		
M60050	002218	07/21/98	DTSC CPYRESS	APPROVAL OF REQUEST FOR EXTENSIONS TO THE FFA	ADMIN RECORD	REQUEST	OU 3	SOUTHWEST DIVISION	
LTR		06/22/98	J. SCANDURA	SCHEDULES, LETTER DATED JUNE 16, 1998		FFA	7	MCAS EL TORO	
0000000000000000		00000	MCAS EL TORO			INVESTIGATION	14		
0002		01.6	J. JOYCE			LANDFILL	16		
						GW	8		
						NFA	11		
							12		
M60050	002223	07/28/98	BECHTEL NATIONAL INC	DRAFT CERCLA GROUNDWATER MONITORING PLAN	ADMIN RECORD	CERCLA	OU 1	SOUTHWEST DIVISION	
PLAN		07/15/98	K. KAPUR	VOLUMES I AND II (PLAN AND APPENDICES A-E)	INFO REPOSITORY	GW	OU 2A	MCAS EL TORO	
N6871192D4670		00153	VARIOUS AGENCIES			MONITORING	OU 2B		
3000		01.1				VOC	OU 2C		
						WELLS	2		
						LANDFILL	3		
						NFA	5		
							17		
							18		
							24		

DATE - 12/24/98

PAGE - 39

MCAS EL TORO TECHNICAL DOCUMENTS DRAFT A.R. FILE INDEX-OU3A SITES 8, 11 & 12

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....	TO.....				
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....	TO.....				
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	002250	08/31/98	BECHTEL NATIONAL INC	DRAFT PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL	ADMIN RECORD	SOIL	OU 3	SOUTHWEST DIVISION	
PLAN		07/24/98	D. TEDALDI	SITES, OPERABLE UNIT 3, SITES 8, 11, AND 12		CLEANUP	8	MCAS EL TORO	
N6871192D467000	00155		VARIOUS AGENCIES			IRP	11		
0013	03.3					NFA	12		
						PUB. PARTICIPATI			
M60050	002299	12/22/98	DTSC CYPRESS	COMMENTS ON DRAFT PROPOSED PLAN FOR OPERABLE UNIT 3,	ADMIN RECORD	COMMENTS	OU 3	SOUTHWEST DIVISION	
MISC		09/21/98	T. MAHMOUD	SITES 8, 11 AND 12		OU	8	MCAS EL TORO	
0000000000000000	00000		MCAS EL TORO			SOIL	11		
0011	10.1		J. JOYCE			LANDFILL	12		
						NFA			
M60050	002291	10/07/98	BECHTEL NATIONAL INC	BCT MEETING MINUTES FOR SEPTEMBER 3, 1998	ADMIN RECORD	MTG MINS	OU 2C	SOUTHWEST DIVISION	
MM		10/07/98	D. TEDALDI		INFO REPOSITORY	LANDFILL	3	MCAS EL TORO	
N6871192D467000	00135		VARIOUS AGENCIES			ARAR	5		
0008	10.4					VOC	OU 2B		
						GW	2		
						SVEI	17		
						BCP	OU 2A		
						NFA	24		
							OU 3A		
							8		
							11		
							12		
M60050	002301	12/22/98	MCAS EL TORO	REQUEST FOR CHANGE TO THE FFA APPENDIX A SCHEDULE WITH	ADMIN RECORD	FFA	OU 3	SOUTHWEST DIVISION	
LTR		11/30/98	J. JOYCE	TECH MEMO ON RISK MANAGEMENT CONSIDERATIONS FOR OU-3,		TECH MEMO	8	MCAS EL TORO	
0000000000000000	00000		VARIOUS AGENCIES	SITES 8, 11 AND 12 AT MCAS EL TORO		RISK	11		
0010	01.6					NFA	12		

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX - OU-3A SITES 8, 11 AND 12

UIC #	REC #	PRC. DATE	FROM			
DOC TYPE		DOC. DATE	FROM ORG.			
CONTR NO.		CTO/DO NO.	TO			
# OF PAGES		EPA CAT#	TO ORG.	SUBJECT	KEYWORDS	SITES
M60050	002299	981222	T. MAHMOUD	COMMENTS ON DRAFT PROPOSED PLAN FOR OPERABLE UNIT 3, SITES 8, 11 AND 12	COMMENTS SOIL OU NFA LANDFILL	OU 3, 11, 8, 12
MISC 0000000000000000 0011		980921 00000 10.1	DTSC CYPRESS J. JOYCE MCAS EL TORO			
M60050	002400	990503	D. TEDALDI	TECHNICAL MEMORANDUM ON RISK MANAGEMENT CONSIDERATIONS FOR OU-3A SITES 8, 11 AND 12	TECH MEMO RISK PCB SOIL SLUDGE	OU-3A, 8, 11, 12
REPT N6871192D46700 0011		980922 00155 01.1	BNI G. STEINWAY SWDIV			
M60050	002317	990406	T. MAHMOUD	COMMENTS ON TECHNICAL MEMORANDUM ON RISK MANAGEMENT FOR OU-3 SITES 8, 11 AND 12	TECH MEMO NFA COMMENTS	OU-3, 8, 11, 12
LTR 0000000000000000 0004		981221 00000 10.1	DTSC J. JOYCE MCAS EL TORO			
M60050	002383	990413	G. TINKER	DRAFT FINAL PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL SITES OU 3, SITES 8, 11, AND 12	OU SOIL CLEANUP PROPOSED PLAN	OU-3, 12, 11, 8
PLAN N6871192D46700 0034		990204 00155 02.1	SWDIV VARIOUS AGENCIES			
M60050	002384	990413	D. TEDALDI	REVISED COST ESTIMATES FOR THE OU-3A PROPOSED PLAN, SITE 8 UNIT 3 ALTERNATIVES 2 THROUGH 5, AND SITES 11 AND 12 ALTERNATIVE 4 - DTD 2/99	OU COST PROPOSED PLAN	OU-3A, 8, 11, 12
LTR N6871192D46700 0008		990205 00161 01.6	BNI G. STEINWAY SWDIV			
M60050	002389	990413	G. TINKER	RESPONSE TO COMMENTS DRAFT PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL SITES OU 3, SITES 8, 11, AND 12	CLEANUP COMMENTS PROPOSED PLAN OU	12, 11, 8, OU-3
LTR N6871192D46700 0020		990219 00155 10.1	SWDIV VARIOUS AGENCIES			

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX - OU-3A SITES 8, 11 AND 12

UIC #	REC #	PRC. DATE	FROM				
DOC TYPE		DOC. DATE	FROM ORG.				
CONTR NO.		CTO/DO NO.	TO				
# OF PAGES		EPA CAT#	TO ORG.	SUBJECT	KEYWORDS	SITES	
M60050	002390	990413	J. HUFF	COMMENTS ON DRAFT FINAL PROPOSED PLAN FOR OU 3 SITES 8, 11 AND 12	OU PROPOSED PLAN COMMENTS	OU-3, 8, 11, 12	
LTR		990222	DTSC				
00000000000000		00000	J. JOYCE				
0020		10.1	MCAS EL TORO				
M60050	002396	990413	G. TINKER	REVISED DRAFT FINAL PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL SITES, OU 3, SITES 8, 11, AND 12 DTD MARCH 1999	SOIL CLEANUP OU PROPOSED PLAN	OU-3, 8, 11, 12	
PLAN		990317	SWDIV				
N6871192D46700		00155					
		03.3	VARIOUS AGENCIES				
M60050	002395	990413	G. TINKER	RESPONSE TO COMMENTS ON THE DRAFT FINAL PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL SITES, OU 3, SITES 8, 11, AND 12 DTD MARCH 17, 1999	PROPOSED PLAN OU COMMENTS RESPONSE SOIL	OU-3, 8, 11, 12	
LTR		990317	SWDIV				
N6871192D46700		00155					
0030		10.1	VARIOUS AGENCIES				
M60050	002407	990504	G. TINKER	FINAL PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL SITES, OU-3 SITES 8,11 AND 12	SOIL PROPOSED PLAN CLEANUP OU	OU 3, 12, 8, 11	
PLAN		990506	SWDIV				
		03.3	VARIOUS AGENCIES				

UIC No. / Rec. No.	Prc. Date	Author Affil.	MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX - SS 0A SITES 8, 11 AND 12				
Record Type	Record Date	Author					
Contr./Guid. No.	CTO No.	Recipient Affil.	Subject	Classification	Keywords	Sites	Location
Approx. # Pages	EPA Cat. #	Recipient					
M60050 / 000112	09-09-1999	EL TORO	LOCAL REDEVELOPMENT AUTHORITY	ADMIN RECORD	COMMENTS	11	SOUTHWEST
MISC	08-12-1999	MASTER	COMMENTS ON THE DRAFT RECORD OF		LF	12	DIVISION
NONE	NONE	DEVELOPMENT	DECISION FOR SITES 8, 11 AND 12 (REF.		ROD	8	
0010	10.1	PRO	A.R. #72)		SOIL	OU 3	
		M. LAPIN					
		MCAS EL TORO					
		D. GOULD					
M60050 / 000056	08-04-1999	HAHN &	TRANSCRIPT OF 5/26/99 PUBLIC COMMENT	ADMIN RECORD	MTG MINS	11	SOUTHWEST
MEMO	05-26-1999	BOWERSOCK	MEETING FOR PROPOSED PLAN FOR		SOIL	12	DIVISION
NONE	NONE	CORP	CLEANUP AT OPERABLE UNIT 3, SITES 8,			8	
0005	10.4	J. BURGNER	11 AND 12			OU 3	
		SOUTHWEST					
		DIVISION					
M60050 / 000060	08-04-1999	EL TORO	COMMENTS ON PROPOSED PLAN FOR	ADMIN RECORD	COMMENTS	11	SOUTHWEST
LTR	06-07-1999	MASTER	CLEANUP AT OPERABLE UNIT 3, SITES 8,		ROD	12	DIVISION
NONE	NONE	DEVELOPMENT	11 AND 12		SOIL	17	
0004	03.1	PRO				2	
		C. WIERCIOCH				8	
		MCAS EL TORO				OU 3	
		J. JOYCE					
M60050 / 000064	08-04-1999	BL ASSOCIATES	COMMENTS BY RESTORATION ADVISORY	ADMIN RECORD	CERCLA	11	SOUTHWEST
LTR	06-07-1999	C. BENNETT	BOARD COMMUNITY CO-CHAIR ON THE		COMMENTS	12	DIVISION
NONE	NONE	MCAS EL TORO	PROPOSED PLAN FOR OPERABLE UNIT 3,		ROD	8	
0002	05.4	J. JOYCE	SITES 8, 11 AND 12		SOIL	OU 3	
M60050 / 000061	08-04-1999	USDOJ	DEPT. OF INTERIOR COMMENTS ON	ADMIN RECORD	COMMENTS	11	SOUTHWEST
LTR	06-15-1999	J. BARTEL	PROPOSED PLAN FOR CLEANUP AT		LF	12	DIVISION
NONE	NONE	BRAC EL TORO	OPERABLE UNIT 3, SITES 8, 11 AND 12		PAH	17	
0000	10.1	J. JOYCE			PCB	2	
					ROD	8	
					SOIL	OU 3	
					VOC		

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX – OU-3A SITES 8, 11 AND 12

UIC No. / Rec. No.	Prc. Date	Author Affil.	Subject	Classification	Keywords	Sites	Location
Record Type	Record Date	Author					
Contr./Guid. No.	CTO No.	Recipient Affil.	Subject	Classification	Keywords	Sites	Location
Approx. # Pages	EPA Cat. #	Recipient					
M60050 / 000059	08-04-1999	BNI	DRAFT - RESPONSIVENESS SUMMARY ASSOCIATED WITH DRAFT RECORD OF DECISION FOR OPERABLE UNIT 3, SITES 8, 11 AND 12 (REF. A.R. #72)	ADMIN RECORD	COMMENTS	11	SOUTHWEST DIVISION
RPT	07-19-1999	T. HEIRONIMUS			LF	12	
N68711-92-D-4670	00164	SOUTHWEST DIVISION			ROD	8	
0015	10.1	R. SELBY			SOIL	OU 3	
M60050 / 000104	09-08-1999	DTSC CYPRESS	DTSC COMMENTS ON THE DRAFT RECORD OF DECISION FOR OPERABLE UNIT 3A, SITES 8, 11 AND 12 (REF. A.R. #72)	ADMIN RECORD	COMMENTS	11	SOUTHWEST DIVISION
MISC	08-02-1999	T. MAHMOUD			LF	12	
NONE	NONE	MCAS EL TORO			ROD	8	
0003	10.1	J. JOYCE			SOIL	OU 3A	
M60050 / 000127	09-09-1999	CRWQCB SANTA ANA	CRWQCB COMMENTS ON THE DRAFT RECORD OF DECISION FOR OPERABLE UNIT 3A, SITES 8, 11 AND 12 (REF. A.R. #72)	ADMIN RECORD	COMMENTS		SOUTHWEST DIVISION
MISC	08-19-1999	P. HANNON			ROD		
NONE	NONE	MCAS EL TORO			SOIL		
0002	10.1	D. GOULD					

Section II

Relevant Guidance Documents

Pertaining to Three Shallow Soil Sites

Operable Unit 3 - Sites 8, 11, and 12

Special Collection
Administrative Record File



This Special Collection Index of the complete Administrative Record (AR) File Index for Former MCAS El Toro includes documents that cite bibliographic sources or references to government regulations and laws. These bibliographic citations are considered to be part of this AR File but may not be cited separately in this index.



DATE - 12/23/98

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

Section II

PAGE - 1

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....											
COMPDM GUID E1527 0001	000001	09/16/94	AMERICAN SOCIETY	STANDARD PRACTICE FOR ENVIRONMENTAL SITE ASSESSMENTS: PHASE I ENVIRONMENTAL SITE ASSESSMENT PROCESS	COMPENDIUM	GUID TECH/GUID DOC.							SOUTHWEST DIVISION SALTON SEA
COMPDM GUID E1528-93 0031	000002	11/17/94	AMERICAN SOCIETY	STANDARD PRACTICE FOR ENVIRONMENTAL SITE ASSESSMENTS: TRANSACTION SCREEN PROCESS	COMPENDIUM	TECH/GUID DOC.	1,2,3,4,5 6,7,8,9,10 11,12,13, 14,15,16 17,18,19, 20,21,22 23,24,25						SOUTHWEST DIVISION SALTON SEA
COMPDM GUID 56SPIE 0006	000003	11/17/94	SPECIAL TECH LAB	GROUND PENETRATING RADAR APPLICATIONS FOR HAZARDOUS WASTE DETECTION	COMPENDIUM	GUID TECH/GUID DOC.	10						SOUTHWEST DIVISION SALTON SEA
COMPDM GUID 0000	000020	11/21/94		CALIFORNIA CODE OF REGULATIONS (22 CFR) CHAPTER 14, ARTICLE 7 TITLE 22	COMPENDIUM	GUID TECH/GUID DOC.							SOUTHWEST DIVISION
COMPDM GUID 0000	000021	11/21/94		SARA SECTION 211, CHAPTER 160, PARAGRAPH 2705C	COMPENDIUM	GUID TECH/GUID DOC.							SOUTHWEST DIVISION
COMPDM GUID 0000	000022	11/21/94		CALIFORNIA CODE OF REGULATIONS, TITLE 22, (22 CFR) DIVISION 4.5	COMPENDIUM	GUID TECH/GUID DOC.							SOUTHWEST DIVISION NASNI SAN DIEGO
COMPDM GUID 0000	000023	11/21/94		RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) AND HAZAROUS AND SOLID WASTE AMENDMENTS OF 1984	COMPENDIUM	GUID RCRA HSWA TECH/GUID DOC.							SOUTHWEST DIVISION
COMPDM GUID 85115 0000	000029	11/21/94	NIOSH	OCCUPATIONAL SAFETY AND HEALTH GUIDANCE MANUAL FOR HAZARDOUS WASTE SITE ACTIVITIES	COMPENDIUM	GUID HAZ WASTE TECH/GUID DOC.							SOUTHWEST DIVISION
COMPDM GUID 29CFR192665 0000	000030	11/21/94	USDOL/OSHA	CODE OF FEDERAL REGULATIONS TITLE 29, PART 1926.65	COMPENDIUM	GUID CFR TECH/GUID DOC.							SOUTHWEST DIVISION
COMPDM GUID 0000	000033	11/21/94		STATE OF CALIFORNIA HEALTH AND SAFETY CODE SECTION 41805.5	COMPENDIUM	GUID TECH/GUID DOC.							SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 2

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....											
COMPDM GUID 15CFR 0000	000034	11/28/94								15 CFR PART 930 SECTION 930.33(b)	COMPENDIUM	CFR TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 40CFR 0000	000035	11/28/94								40 CFR SECTION 146.4	COMPENDIUM	CFR TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 40CFR 0000	000036	11/28/94								40 CFR SECTION 131.12	COMPENDIUM	CFR TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0008	000055	11/28/94								VG1 NCP REQUIREMENTS FOR ARAR's	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID CONF8710756 0013	000078	11/28/94								IMPLEMENTATION OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 540G87003 0000	000133	12/15/94	EPA							DATA QUALITY OBJECTIVES FOR REMEDIAL RESPONSE ACTIVITIES (2 PARTS) VOL. 1: DEVELOPMENT PROCESS [EPA 540/G87/003] VOL. 2 EXAMPLE SCENARIO [EPA 540/G87/004]	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO
COMPDM GUID 0000	000277	12/27/94								CALIFORNIA CODE OF REGULATIONS: TITLE 23, DIVISION 3, CHAPTER 15 (DISCHARGES OF WASTE TO LAND) ARTICLE 2, ARTICLE 5, ARTICLE 8	COMPENDIUM	TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO
COMPDM GUID PL95510 0000	000027	11/21/94 01/01/80								COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0250	000169	12/22/94 01/01/80								EPA NATIONAL OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN UNDER THE CERCLA OF 1980	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID PB87157657 0038	000090	11/30/94 07/01/82	EPA							DRAFT RCRA GUIDANCE DOCUMENT: LANDFILL DESIGN LINER SYSTEMS AND FINAL COVER (TO BE USED WITH RCRA REGS SECTIONS 264.301(a) & 264.310(a))	COMPENDIUM	GUID RCRA TECH/GUID DOC.	SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 3

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....				
CONTR/GUID..NO..	CTO.NO..	TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
COMPDM GUID 0200	000326 01/01/84	05/15/95	US GEOLOGIAL SURVEY		ELEMENT CONCENTRATIONS IN SOILS AND OTHER SURFICIAL MATERIALS OF THE CONTERMINOUS UNITED STATES US GEOLOGICAL SURVEY PROFESSIONAL PAPER 1270	COMPENDIUM	TECH/GUID DOC.	SALTON SEA
COMPDM GUID D248785 0060	000142 01/01/85	12/15/94	ASTM		STANDARD TEST METHOD FOR CLASSIFICATION OF SOILS FOR PURPOSES D2487-85	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO
COMPDM GUID 0000	000298 01/01/85	01/04/95	CA. ADMIN. CODE		TITLE 22, ARTICLE 11, CRITERIA FOR INDENTIFICATION OF HAZARDOUS AND EXTREMELY HAZARDOUS WASTE	COMPENDIUM	HAZ WASTE TECH/GUID DOC.	SOUTHWEST DIVISION NASNI SAN DIEGO
COMPDM GUID PB85188829 0150	000065 04/01/85	11/28/94	EPA CINCINNATI, OH		SETTLEMENT AND COVER SUBSIDENCE OF HAZARDOUS WASTE LANDFILLS	COMPENDIUM	GUID HAZ WASTE TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0000	000103 04/01/85	12/01/94	EPA		LABORATORY DATA VALIDATION - FUNCTIONAL GUIDELINES FOR EVALUATING ORGANICS ANALYSIS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 928000 0014	000091 08/06/85	11/30/94	EPA WASHINGTON		POLICY ON FLOODPLAINS AND WETLAND ASSESSMENTS FOR CERCLA ACTIONS	COMPENDIUM	GUID CERCLA TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 202047B 0000	000108 09/01/85	12/01/94	NEESA PORT HUENEME		SAMPLING AND CHEMICAL ANALYSIS QUALITY ASSURANCE REQUIREMENTS FOR THE NAVY INSTALLATION RESTORATION PROGRAM	COMPENDIUM	GUID IRP TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 202047 0078	000145 09/01/85	12/15/94	NEESA PORT HUENEME		SAMPLING AND CHEMICAL ANALYSIS QUALITY ASSURANCE GUIDE FOR NAVY ASSESSMENT AND CONTROL OF NACIP PROGRAM	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO
COMPDM GUID 530SW86031 0175	000067 10/01/86	11/28/94	EPA WASHINGTON		CONSTRUCTION QUALITY ASSURANCE FOR HAZARDOUS WASTE LAND DISPOSAL FACILITIES	COMPENDIUM	GUID HAZ WASTE DISPOSAL TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0050	000366 10/17/86	04/04/96			COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 CERCLA AS AMENDED THROUGH PL 99-499	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 4

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....	APPROX.#.OF.PAGES	EPA.CAT#						
COMPDM MISC PL96510 0300	000251	09/23/96 12/01/86	US SENATE				THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (SUPERFUND) P.L. 96-510 AS AMENDED BY THE SARA ACT OF 1986 P.L. 99-499	COMPENDIUM	CERCLA HAZ WASTE TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 540G87003 0220	000081	11/28/94 03/01/87	EPA WASHINGTON				DATA QUALITY OBJECTIVES FOR REMEDIAL RESPONSE ACTIVITIES DEVELOPMENT PROCESS	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID PB90272634 0300	000388	04/05/96 03/01/87	EPA WASHINGTON				DATA QUALITY OBJECTIVES FOR REMEDIAL RESPONSE ACTIVITIES EXAMPLE SCENARIO: RI/FS ACTIVITIES AT A SITE WITH CONTAMINATED SOILS & GROUNDWATER	COMPENDIUM	GUID DATA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID PB91214080 0025	000111	12/01/94 04/01/87	EPA WASHINGTON				GUIDANCE FOR COORDINATING ATSDR HEALTH ASSESSMENT ACTIVITIES WITH THE SUPERFUND REMEDIAL PROCESS	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 600887044 0100	000113	12/01/94 08/01/87	EPA				ROLE OF ACUTE TOXICITY BIOASSAYS IN THE REMEDIAL ACTION PROCESS AT HAZARDOUS WASTE SITES (PB88125430)	COMPENDIUM	GUID HAZ WASTE TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM MISC 0012	000253	09/23/96 08/01/87	JACOBS ENGINEERING				STANDARD OPERATING PROCEDURE SAMPLE DOCUMENTATION VOL. III, SEC: 30	COMPENDIUM	SOP TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM MISC 0009	000259	09/23/96 08/01/87	JACOBS ENGINEERING				STANDARD OPERATING PROCEDURE SOIL GAS SAMPLING VOL:III, SEC: 44	COMPENDIUM	SOP TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 540P870001 0400	000109	12/01/94 12/01/87	EPA WASHINGTON				A COMPENDIUM OF SUPERFUND FIELD OPERATIONS METHODS (PB88181557)	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 202047B 0000	000131	12/15/94 01/01/88	NEESA PORT HUENEME				SAMPLING AND CHEMICAL ANALYSIS QUALITY ASSURANCE REQUIREMENTS FOR THE NAVY IRP REVISED AUGUST	COMPENDIUM	QA IRP TECH/GUID DOC.		SOUTHWEST DIVISION NAF EL CENTRO
COMPDM GUID 0000	000238	12/23/94 01/01/88	NEESA PORT HUENEME				SAMPLING AND CHEMICAL ANALYSIS QUALITY ASSURANCE REQUIREMENTS FOR THE NAVY INSTALLATION RESTORATION PROGRAM	COMPENDIUM	QA TECH/GUID DOC.		SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 5

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....						
APPROX.#.OF.PAGES	EPA.CAT#								
COMPDM GUID 0000	000216 02/01/88	12/22/94 EPA	LABORATORY DATA VALIDATION FUNCTIONAL GUIDELINES FOR EVALUATING ORGANIC ANALYSIS		COMPENDIUM	DATA TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM RPT 540188001 0157	000240 04/01/88	09/23/96 EPA-OSWER	SUPERFUND EXPOSURE ASSESSMENT MANUAL; REFERENCE OSWER DIRECTIVE 9285.5-1		COMPENDIUM	EXPOSURE GW HAZ WASTE TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM GUID 0000	000134 05/01/88	12/15/94 ATI, INC.	LABORATORY QUALITY ASSURANCE MANUAL		COMPENDIUM	QA TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO		
COMPDM GUID 202047B 0000	000141 06/01/88	12/15/94 NEESA PORT HUENEME	SAMPLING AND CHEMICAL ANALYSIS QUALITY ASSURANCE REQUIREMENTS FOR THE INSTALLATION RESTORATION PROGRAM		COMPENDIUM	QA TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO		
COMPDM GUID 0014	000361 06/23/88	04/04/96 CINPACFLT	DEPARTMENT OF THE NAVY CERCLA/SARA/IR REQUIREMENTS AND PROCEDURES		COMPENDIUM	CERCLA GUID TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM GUID 0000	000215 07/01/88	12/22/94 EPA	LABORATORY DATA VALIDATION FUNCTIONAL GUIDELINES FOR EVALUATING INORGANIC ANALYSIS		COMPENDIUM	DATA TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM GUID PB89184626 0300	000175 10/01/88	12/22/94 EPA WASHINGTON	GUIDANCE FOR CONDUCTING REMEDIAL INVESTIGATIONS AND FEASIBILITY STUDIES UNDER CERCLA, INTERIM FINAL, OFFICE OF EMERGENCY AND REMEDIAL RESPONSE		COMPENDIUM	GUID CERCLA TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM GUID PB89184626 0250	000201 10/01/88	12/22/94 EPA WASHINGTON DC	GUIDANCE FOR CONDUCTING REMEDIAL INVESTIGATIONS AND FEASIBILITY STUDIES UNDER CERCLA		COMPENDIUM	GUID RI TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM GUID 540189002 0000	000213 01/01/89	12/22/94 EPA	EPA RISK ASSESSMENT GUIDANCE (RAGS) FOR SUPERFUND VOLUME I HUMAN HEALTH EPA/540/1-89/002		COMPENDIUM	RA TECH/GUID DOC.	SOUTHWEST DIVISION		
COMPDM GUID 0000	000274 01/01/89	12/27/94 USEPA	OSWER DIRECTIVE NO. 9200.5-302		ADMIN RECORD COMPENDIUM	TECH/GUID DOC.	SOUTHWEST DIVISION NAF EL CENTRO		

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....				
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....				
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
COMPDM GUID 9285701A 0200	000211	09/20/96 01/07/89	EPA - OSWER		RISK ASSESSMENT GUIDANCE FOR SUPERFUND: HUMAN HEALTH EVALUATION MANUAL PART A, INTERIM FINAL, PRE-PUBLICATION COPY	COMPENDIUM	RISK HA RI FS TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0000	000127	12/01/94 02/01/89	EPA		METHODS FOR EVALUATING THE ATTAINMENT OF CLEANUP STANDARDS OFFICE OF POLICY, PLANNING AND EVALUATION FEBRUARY, 1989(a)	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION NASNI SAN DIEGO
COMPDM GUID 540189001 0150	000069	11/28/94 03/01/89	EPA WASHINGTON		RISK ASSESSMENT GUIDANCE FOR SUPERFUND VOLUME III AN ENVIRONMENTAL EVALUATION MANUAL INTERIM FINAL	COMPENDIUM	GUID RA TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 540189001 0050	000200	12/22/94 03/01/89	EPA WASHINGTON DC		RISK ASSESSMENT GUIDANCE FOR SUPERFUND VOLUME II ENVIRONMENTAL EVALUATION MANUAL INTERIM FINAL	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0000	000100	12/01/94 05/01/89	DON		NAVY INSTALLATION RESTORATION (IR) MANUAL	COMPENDIUM	GUID IRP TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM RPT PB89195184 0087	000257	09/23/96 06/01/89	EPA-ORD		STATE OF TECHNOLOGY REVIEW SOIL VAPOR EXTRACTION SYSTEMS - EPA/600/2-89/024	COMPENDIUM	SVEI TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9355302 0250	000336	08/18/95 06/01/89	EPA WASHINGTON, D.C.		INTERIM FINAL GUIDANCE ON PREPARING SUPERFUND DECISION DOCUMENTS: THE PROPOSED PLAN/THE ROD/EXPLANATION OF SIGNIFICANT DIFFERENCES/THE ROD AMENDMENT	COMPENDIUM	ROD TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9347304FS 0026	000192	12/22/94 07/01/89	EPA		SUPERFUND LDR GUIDE #5 DETERMINING WHEN LAND DISPOSAL RESTRICTIONS (LDRs) ARE APPLICABLE TO CERCLA RESPONSE ACTIONS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 540G89007 0150	000194	12/22/94 07/01/89	EPA WASHINGTON DC		GUIDANCE ON PREPARING SUPERFUND DECISION: THE PROPOSED PLAN THE RECORD OF DECISION EXPLANATION OF SIGNIFICANT DIFFERENCES THE ROD AMENDMENT INTERIM FINAL	COMPENDIUM	ROD TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0350	000377	04/05/96 07/01/89	EPA WASHINGTON		GUIDANCE ON PREPARING SUPERFUND DECISION DOCUMENTS: THE PROPOSED PLAN/THE RECORD OF DECISION/EXPLANATIONS OF SIGNIFICANT DIFFERENCES/THE ROD AMENDMENT	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 7

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....	APPROX.#.OF.PAGES	EPA.CAT#						
COMPDM GUID 540G89009 0150	000221	12/22/94 08/01/89	EPA				CERCLA COMPLIANCE WITH OTHER LAWS MANUAL: PART II CLEAN AIR ACT AND OTHER ENVIRONMENTAL STATUTES & STATE REQUIREMENTS	COMPENDIUM	GUID CERCLA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 540G89009 0200	000338	11/30/95 08/01/89	EPA WASHINGTON DC				CERCLA COMPLIANCE WITH OTHER LAWS MANUAL: PART II CLEAN AIR ACT AND OTHER ENVIRONMENTAL STATUTES AND STATE REQUIREMENTS	COMPENDIUM	CERCLA CAA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID PB9014861 0400	000382	04/05/96 08/01/89	EPA WASHINGTON				CERCLA COMPLIANCE WITH OTHER LAWS MANUAL: PART II CLEAN AIR ACT AND OTHER ENVIRONMENTAL STATUTES AND STATE REQUIREMENTS	COMPENDIUM	CERCLA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 9QA0389 0000	000138	12/15/94 09/01/89	EPA				GUIDANCE FOR PREPARING QUALITY ASSURANCE PROJECT PLANS FOR SUPERFUND REMEDIAL PROJECTS (REGION 9)	COMPENDIUM	QA TECH/GUID DOC.		SOUTHWEST DIVISION NAF EL CENTRO
COMPDM GUID 9234202FS 0002	000185	12/22/94 09/01/89	EPA				GUIDE TO CERCLA COMPLIANCE WITH OTHER LAWS MANUAL	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 0000	000130	12/01/94 10/01/89	EPA				PREPARATION OF A U.S. EPA REGION 9 SAMPLE PLAN FOR PRIVATE AND STATE-LEAD SUPERFUND PROJECTS	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION NASNI SAN DIEGO
COMPDM GUID 9234204FS 0006	000189	12/22/94 10/01/89	EPA				RCRA ARARS: FOCUS ON CLOSURE REQUIREMENTS	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 9355301FS3 0004	000159	12/22/94 11/01/89	EPA				THE FEASIBILITY STUDY: DEVELOPMENT AND SCREENING OF REMEDIAL ACTION ALTERNATIVES	COMPENDIUM	FS RA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 540189002 0300	000352	01/10/96 12/01/89	EPA WASHINGTON DC				RISK ASSESSMENT GUIDANCE FOR SUPERFUND VOLUME I HUMAN HEALTH EVALUATION MANUAL (PART A) INTERIM FINAL	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 0000	000217	12/22/94 01/01/90	EPA				CONTRACT LABORATORY PROGRAM STATEMENT OF WORK FOR ORGANIC ANALYSES	COMPENDIUM	TECH/GUID DOC.		SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 8

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....											
COMPDM GUID 9285705FS 0008	000041	09/20/96 01/09/90	EPA-OSWER							GUIDANCE FOR DATA USEABILITY IN RISK ASSESSMENT	COMPENDIUM	DATA RISK TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM MISC 9355311FS 0004	000188	09/20/96 01/09/90	EPA - OSWER							STREAMLINING THE RI/FS FOR CERCLA MUNICIPAL LANDFILL SITES QUICK REFERENCE FACT SHEET	COMPENDIUM	RI FS LF NPL TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM MISC 9319001FS 0003	000264	09/23/96 02/01/90	EPA- OSWER							THE FINAL NATIONAL CONTINGENCY PLAN: NEW DIRECTIONS FOR SUPERFUND QUICK REFERENCE FACT SHEET	COMPENDIUM	NCP HAZ WASTE TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9355301FS4 0004	000158	12/15/94 03/01/90	EPA							THE FEASIBILITY STUDY: DETAILED ANALYSIS OF REMEDIAL ACTION ALTERNATIVES	COMPENDIUM	GUID FS RA TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0200	000220	12/22/94 03/08/90	EPA							40 CFR PART 300 NATIONAL OIL & HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN; FINAL RULE PART II EPA	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0090	000343	12/06/95 03/08/90 GUID 11.2								NATIONAL OIL HAZARDOUS SUBSTANCES POLLUTION CONTINGENCY PLAN U.S. CODE OF FEDERAL REGULATIONS 40 CFR PART 300	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9355027FS 0009	000040	11/28/94 04/01/90	EPA							A GUIDE TO SELECTING SUPERFUND REMEDIAL ACTIONS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9285701 0200	000322	05/15/95 04/01/90	EPA							RISK ASSESSMENT GUIDANCE FOR SUPERFUND VOLUME I HUMAN HEALTH EVALUTATION MANUAL PART A	COMPENDIUM	TECH/GUID DOC.	SALTON SEA
COMPDM GUID TITLE22 0650	000344	12/06/95 04/01/90 00000 11.3	STATE OF CALIFORNIA							TITLE 22, DIVISION 4.5 ENVIRONMENTAL HEALTH STANDARDS FOR THE MANAGEMENT OF HAZARDOUS WASTE	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0150	000171	12/22/94 06/22/90	STATE OF CALIFORNIA							INTERIM GUIDANCE FOR PREPARTATION OF A PRELIMINARY ENDANGERMENT ASSESSMENT REPORT	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 9

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....	CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....											
COMPDM GUID 0011	000442	04/24/97 10/01/90	PHS SANTA ANA							GUIDELINES FOR SITE INVESTIGATIONS AND MITIGATION	ADMIN RECORD	GUID SI TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 50901A 0450	000288	01/04/95 10/02/90	DON							ENVIRONMENTAL AND NATURAL RESOURCES PROGRAM MANUAL OPNAVINST 5090.1A	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 92005008C 0001	000156	12/15/94 11/01/90	EPA							THE SUPERFUND CLEANUP PROCESS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9200311 0085	000195	12/22/94 12/27/90	EPA WASHINGTON DC							FINAL POLICY ON SETTING RI/FS PRIORITIES	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 540P91002 0150	000066	11/28/94 01/01/91	EPA WASHINGTON							USER'S GUIDE TO THE CONTRACT LABORATORY PROGRAM	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 50901A 0100	000219	12/22/94 01/17/91	COMNAVBASE							COMNAVBASESANDIEGO REGIONAL OIL & HAZARDOUS SUBSTANCE POLLUTION CONTINGENCY PLAN	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 540091001 0450	000203	12/22/94 02/01/91	EPA WASHINGTON DC							CONDUCTING REMEDIAL INVESTIGATIONS/FEASIBILITY STUDIES FOR CERCLA MUNICIPAL LANDFILL SITES PB91921205	COMPENDIUM	GUID RI FS TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM MEMO 0004	000420	12/23/96 04/16/91	EPA-OERW							LDR APPLICABILITY FOR INVESTIGATION DERIVED WASTE	COMPENDIUM	INVESTIGATION TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9345302 0000	000072	11/28/94 05/01/91	EPA/OERR							MANAGEMENT OF INVESTIGATION-DERIVED WASTES DURING SITE INSPECTIONS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0002	000228	12/22/94 10/25/91	NOAA							HABITAT PROTECTION POLICY (ADOPTED JUNE 8, 1978)	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....						
CONTR/GUID..NO..	CTO.NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....					
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....										
COMPDM GUID 540R92003 0085	000199	12/22/94 12/01/91	EPA WASHINGTON DC	RISK ASSESSMENT GUIDANCE FOR SUPERFUND: VOLUME I HUMAN HEALTH EVALUATION MANUAL (PART B, DEVELOPMENT OF RISK-BASED PRELIMINAY REMEDIATION GOALS) INTERIM	COMPENDIUM	GUID TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM GUID 540R92004 0075	000354	01/10/96 12/01/91	EPA WASHINGTON DC	RISK ASSESSMENT GUIDANCE FOR SUPERFUND: VOLUME I HUMAN HEALTH EVALUATION MANUAL (PART C, RISK EVALUATION OF REMEDIAL ALTERNATIVES) INTERIM	COMPENDIUM	GUID TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM PLAN 9200214 0500	000248	09/23/96 01/01/92	EPA-OERR	NATIONAL OIL AND HAZARDOUS SUBSTANCES POLLUTION CONTROL PLAN (THE NCP) WITH 1988 AND 1990 PREAMBLES	COMPENDIUM	NCP HAZ WASTE RSE SI RA RI FS TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM MISC 92031021 0002	000152	09/20/96 01/04/92	EPA - OSWER	SUPERFUND ACCELERATED CLEANUP BULLETIN: PRESUMPTIVE REMEDIES FOR MUNICIPAL LANDFILL SITES, INTERMITTENT BULLETIN VOL.1 NO.1	COMPENDIUM	LF TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM RPT 9285706FS 0008	000043	09/20/96 01/07/92	EPA-OSWER	UNDERSTANDING SUPERFUND RISK ASSESSMENT	COMPENDIUM	RISK EXPOSURE TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM MISC 9203102 0002	000121	09/20/96 01/08/92	EPA-OSWER	SUPERFUND ACCELERATED CLEANUP BULLETIN: PRESUMPTIVE REMEDIES, INTERMITTENT BULLETIN VOL.1 NO.3	COMPENDIUM	HAZ WASTE LF GW TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM MISC 9203005FSA 0004	000123	09/20/96 01/09/92	EPA - OSWER	SUPERFUND QUICK REFERENCE FACT SHEET: ARSENIC	COMPENDIUM	HAZ WASTE ATSDR TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM MISC 9230005FSC 0004	000124	09/20/96 01/09/92	EPA - OSWER	SUPERFUND QUICK REFERENCE FACT SHEET: TRICHLOROETHYLENE	COMPENDIUM	HAZ WASTE ATSDR TECH/GUID DOC.						SOUTHWEST DIVISION
COMPDM MISC 9230005FSB 0006	000125	09/20/96 01/09/92	EPA- OSWER	SUPERFUND QUICK REFERENCE FACT SHEET: EXPOSURE PATHWAYS	COMPENDIUM	HAZMAT EXPOSURE TECH/GUID DOC.						SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 11

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site.....	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....					
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
COMPDM 000129 MISC 9234222FS 0028	09/20/96 01/09/92	EPA - OSWER	ARARS FACT SHEET - COMPLIANCE WITH THE CLEAN AIR ACT AND ASSOCIATED AIR QUALITY REQUIREMENTS QUICK REFERENCE FACT SHEET	COMPENDIUM	ARAR AIR PERMIT TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000135 MISC 9230005FSH 0003	09/20/96 01/09/92	EPA - OSWER	SUPERFUND QUICK REFERENCE FACT SHEET: AN OVERVIEW	COMPENDIUM	HAZ WASTE PA SI REMOVAL TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000147 MISC 9230005FSK 0004	09/20/96 01/09/92	EPA - OSWER	SUPERFUND QUICK REFERENCE FACT SHEET: IDENTIFYING SITES	COMPENDIUM	HAZ WASTE NPL TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000115 MISC 92031021 0001	09/20/96 01/11/92	EPA-OSWER	THE SUPERFUND ACCELERATED CLEANUP MODEL (SACM) INTERMITTENT BULLETIN VOL.1 NO.4	COMPENDIUM	HAZ WASTE TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000019 GUID 0000	11/21/94 02/01/92		NAVY INSTALLATION RESTORATION PROGRAM MANUAL	COMPENDIUM	GUID IRP TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000031 GUID 50902 0000	11/21/94 02/01/92	DEPARTMENT OF NAVY	NAVY/MARINE CORPS INSTALLATION RESTORATION MANUAL	COMPENDIUM	GUID IRP TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000441 GUID 0060	04/24/97 03/01/92	STATE OF CALIFORNIA	HEALTH RISK ASSESSMENT PROGRAM, VERSION 1.1: OPERATING INSTRUCTIONS - AIR RESOURCES BOARD AND OFFICE OF ENVIRONMENTAL HAZARD ASSESSMENT	ADMIN RECORD	GUID HRA TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000265 GUID 9285709FS 0008	09/23/96 06/01/92	EPA-OWSER	GUIDANCE FOR DATA USEABILITY IN RISK ASSESSMENT QUICK REFERENCE FACT SHEET	COMPENDIUM	GUID RA DATA TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000172 GUID 0008	12/22/94 07/01/92	EPA	CALIFORNIA EPA CRITERIA FOR CARCINOGENS	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION		
COMPDM 000063 GUID PB87154894 0150	11/28/94 09/01/92	EPA	EVALUATING COVER SYSTEMS FOR SOLID AND HAZARDOUS WASTE	COMPENDIUM	GUID HAZ WASTE TECH/GUID DOC.		SOUTHWEST DIVISION		

DATE - 12/23/98

PAGE - 12

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....						
CONTR/GUID..NO..	CTO.NO..	TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
COMPDM MISC 9230005FSf 0004	000210	09/23/96 09/01/92	EPA-OSWER		SUPERFUND QUICK REFERENCE FACT SHEET: PCBS	COMPENDIUM	PCB HAZ WASTE ATSDR TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM RPT V2N1 0002	000114	09/20/96 01/02/93	EPA OERR		SUPERFUND ACCELERATED CLEANUP BULLETIN: PRESUMPTIVE REMEDIES FOR MUNICIPAL LANDFILL SITES	COMPENDIUM	LF RISK TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM DATA 0060	000421	12/23/96 01/12/93	EPA-OERW		DRAFT PRELIMINARY ENDANGERMENT ASSESSMENT GUIDANCE MANUAL	COMPENDIUM	ASSESSMENT TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0500	000371	04/05/96 07/01/93	EPA		CODE OF FEDERAL REGULATIONS 40 PARTS 300 TO 399	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9355047FS 0007	000236	12/23/94 09/01/93	EPA		PRESUMPTIVE REMEDIES: POLICY AND PROCEDURES EPA 540-F-93-047 PB 93-63345	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION SALTON SEA
COMPDM MISC 540R93071 0004	000242	09/23/96 09/01/93	EPA-OSWER		DATA QUALITY OBJECTIVES PROCESS FOR SUPERFUND QUICK REFERENCE FACT SHEET REFER: PUBLICATION 9355.9-01 FS	COMPENDIUM	DQOP TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM MISC 9345403FS 0008	000262	09/23/96 09/01/93	EPA OSWER		SITE ASSESSMENT: EVALUATING RISK AT SUPERFUND SITES QUICK REFERENCE FACT SHEET	COMPENDIUM	SA RISK CERCLA TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 9355049FS 0200	000314	05/12/95 09/01/93	EPA SAN FRANCISCO		PRESUMPTIVE REMEDY FOR CERCLA MUNICIPAL LANDFILL SITES	COMPENDIUM	CERCLA TECH/GUID DOC.	SOUTHWEST DIVISION NTC SAN DIEGO SALTON SEA
COMPDM GUID 540G91009 0100	000401	04/05/96 09/01/93	EPA WASHINGTON		MANAGEMENT OF INVESTIGATION DERIVED WASTES DURING SITE INSPECTIONS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0050	000404	04/05/96 09/15/93	BECHTEL NATIONAL INC		QUALITY ASSURANCE PROJECT PLAN	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 13

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....				
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....				
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
COMPDM GUID 0200	000317 10/01/93	05/12/95 DOD			BRAC CLEANUP PLAN (BCP) GUIDEBOOK: IMPLEMENTING PRESIDENT CLINTON'S DECISION TO PROMOTE EARLY REUSE OF CLOSING BASES BY EXPENDING ENVIRONMENTAL CLEANUP	COMPENDIUM	BRAC TECH/GUID DOC.	NTC SAN DIEGO SALTON SEA
COMPDM GUID 0030	000224 11/01/93	12/22/94 EPA SAN FRANCISCO			REGION IX PRELIMINARY REMEDIATION GOALS (PRGS) FOURTH QUARTER 1993	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0150	000406 01/07/94	04/05/96 BECHTEL NATIONAL INC			PROGRAM HEALTH AND SAFETY PLAN	COMPENDIUM	H&SP GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0002	000051 03/01/94	11/28/94 EPA REGION IX			THE PROPOSED "NEW" SUPERFUND: FASTER, FAIRER, MORE EFFICIENT	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0004	000053 06/01/94	11/28/94 EPA REGION IX			ADDENDUM: A FASTER, FAIRER, MORE EFFICIENT SUPERFUND ADVANCES IN CONGRESS	COMPENDIUM	GUID TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID 0015	000307 06/01/94	05/12/95 DOD			FINDINGS OF SUITABILITY TO TRANSFER FOR BRAC PROPERTY	COMPENDIUM	POST TECH/GUID DOC.	NTC SAN DIEGO
COMPDM GUID 0009	000416 06/01/94	12/23/96 DOD			DEFENSE ENVIRONMENTAL CLEANUP PROGRAM FACT SHEET: THE RELATIVE RISK SITE EVALUATION CONCEPT	COMPENDIUM	CLEANUP RISK EVALUATION TECH/GUID DOC.	SOUTHWEST DIVISION
COMPDM GUID EO94002PP 0200	000334 07/01/94	05/15/95 CAL EPA DTSC			PUBLIC PARTICIPATION POLICY AND PROCEDURES MANUAL	COMPENDIUM	TECH/GUID DOC.	SALTON SEA
COMPDM GUID 0019	000306 07/06/94	05/12/95 SOUTHWEST DIVISION			ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) OUTLINE	COMPENDIUM	EE\CA TECH/GUID DOC.	NTC SAN DIEGO
COMPDM GUID 0047	000300 08/01/94	01/27/95 DTSC			CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL GUIDANCE FOR ECOLOGICAL RISK ASSESSMENT AT HAZARDOUS WASTE SITES AND PERMITTED FACILITIES PARTS "A" & "B"	COMPENDIUM	TECH/GUID DOC.	SALTON SEA

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC DATE	FROM SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.# OF PAGES	EPA.CAT#	TO.SIGNATURE.....							
COMPDM GUID 0100	000332	05/15/95 08/01/94	EPA		REGION IX PRELIMINARY REMEDIATION GOALS (PRGS) SECOND HALF 1994	COMPENDIUM	PRG TECH/GUID DOC.		SALTON SEA
COMPDM GUID QAG4D 0100	000333	05/15/95 08/01/94	EPA		DATA QUALITY OBJECTIVES DECISION ERROR FEASIBILITY TRAILS (DQO/DEFT) USER'S GUIDE VERSION 4.0	COMPENDIUM	TECH/GUID DOC.		SALTON SEA
COMPDM GUID 0051	000267	12/27/94 09/07/94	DTSC SACRAMENTO		DRAFT GUIDANCE FOR ECOLOGICAL RISK ASSESSMENT AT HAZARDOUS WASTE SITES AND PERMITTED FACILITIES PART A: OVERVIEW AUGUST 1994 & PART B: SCOPING ASSESSMENT	COMPENDIUM	GUID HAZ WASTE TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM MISC 0060	000252	09/23/96 11/01/94	CDFG		SPECIAL PLANTS LIST - NATURAL DIVERSITY DATA BASE	COMPENDIUM	TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 50901B 0450	000289	01/04/95 11/01/94	DON		ENVIRONMENTAL AND NATURAL RESOURCES PROGRAM MANUAL OPNAVINST 5090.1B	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 540R94083 0026	000112	12/01/94 12/01/94	EPA WASHINGTON		LABORATORY DATA VALIDATION - FUNCTIONAL GUIDELINES FOR EVALUATING INORGANICS ANALYSIS	COMPENDIUM	GUID DATA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 0037	000357	02/28/96 02/01/95	USEPA		USEPA REGION IX PRELIMINARY REMEDIATION GOALS	COMPENDIUM	CERCLA TECH/GUID DOC.		SOUTHWEST DIVISION NTC SAN DIEGO
COMPDM GUID 9355704 0064	000358	04/03/96 05/25/95	EPA WASHINGTON DC		LAND USE IN THE CERCLA REMEDY SELECTION PROCESS	COMPENDIUM	GUID CERCLA TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM LTR 0007	000449	04/24/97 10/13/95	DON		ENVIRONMENTAL REQUIREMENTS FOR FEDERAL AGENCY TO AGENCY PROPERTY TRANSFER AT BRAC INSTALLATIONS	ADMIN RECORD	GUID BRAC TECH/GUID DOC.		SOUTHWEST DIVISION
COMPDM GUID 0150	000409	04/05/96 02/01/96	NFESC PORT HUENEME		NAVY INSTALLATION RESTORATION LABORATORY QUALITY ASSURANCE GUIDE ITERIM GUIDANCE DOCUMENT	COMPENDIUM	GUID TECH/GUID DOC.		SOUTHWEST DIVISION

DATE - 12/23/98

PAGE - 15

RELEVANT GUIDANCE DOCUMENTS-OU3 SITES 8, 11, AND 12 SOIL CLEANUP, MCAS EL TORO

UIC No.	DOC. NO.	PRC. DATE	FROM.....				
DOCUMENT. TYPE...	DOC. DATE	FROM. SIGNATURE.....					
CONTR/GUID..NO..	CTO. NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...Location.....
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....					
COMPDM GUID	000438	04/24/97 02/01/96	NFEC ALEXANDRIA, VA	NAVY/MARINE CORPS INSTALLATION RESTORATION MANUAL	ADMIN RECORD	GUID IR TECH/GUID DOC.	SOUTHWEST DIVISION
0380							
COMPDM GUID	000439	04/24/97 07/01/96	DOD	RELATIVE RISK SITE EVALUATION PRIMER	ADMIN RECORD	GUID RISK SI TECH/GUID DOC.	SOUTHWEST DIVISION
0200							
COMPDM LTR	000440	04/24/97 10/14/96	ERM-WEST, INC.	FACT SHEET DESCRIBING USEPA'S NEW CANCER RISK GUIDELINES AND THEIR POTENTIAL IMPACT ON SITE CLEANUPS	ADMIN RECORD	GUID CANCER CLEANUP TECH/GUID DOC.	SOUTHWEST DIVISION
0003							

MCAS El Toro
Section III

Public Participation Documents

Special Collection
Administrative Record File

MCAS El Toro
Administrative Record File



This Special Collection Index of the complete Administrative Record (AR) File Index for Former MCAS El Toro includes documents that cite bibliographic sources or references to government regulations and laws. These bibliographic citations are considered to be part of this AR File but may not be cited separately in this index.



DATE - 12/23/98

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

Section III

PAGE - 1

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.SIGNATURE.....					
CONTR/GUID. NO...	CTO.NO...								
APPROX.#.OF.PAGES	EPA.CAT#								
M60050 MISC 0000000000000000	000149 11/01/93 00000 10.3	U.S. DEPT NAVY	PUBLIC COMMENT PERIOD FOR THE MCAS EL TORO FEDERAL FACILITY AGREEMENT	ADMIN RECORD	FFA COMMENTS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 RPT N6871189D9296 0075	000896 07/19/95 11/01/85 00018 01.2	W.R. MILLS ASSOC.	FINAL REPORT TO ORANGE COUNTY WATER DISTRICT TRICHLOROETHYLENE INVESTIGATION NEAR THE EL TORO MARINE AIR STATION	ADMIN RECORD	TCE PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO MCAS EL TORO		
M60050 LTR 0000000000000000	000155 11/01/93 12/21/89 00000 10.1	J. R. FAUNCE MCAS EL TORO B. MAVITY WVHA	TCE CLEANUP CITIZENS ADVISORY COMMITTEE REQUEST FOR MCAS EL TORO REMEDIAL INVESTIGATION WORK PLAN	ADMIN RECORD	TCE CLEANUP RI PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MEMO 0000000000000000 0001	001011 12/08/95 04/27/90 00000 10.3	SOUTHWEST DIVISION L. NUZUM TRC MEMBERS	APRIL 26, 1990 TRC MEETING MINUTES	ADMIN RECORD	MTG MINS TRC PUB. PARTICIPATI	2,3,5,10, OU2,OU3, OU2B	SOUTHWEST DIVISION		
M60050 MM 01F000890002	000161 11/01/93 05/15/90 00018 10.4	E. ROGAN JACOBS L. NUZUM SOUTHWESTDIV	MEETING MINUTES TECHNICAL REVIEW COMMITTEE MEETING MCAS EL TORO 26 APRIL 1990	ADMIN RECORD	TRC PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000 0001	000340 07/05/94 06/08/90 00000 10.4	MCAS EL TORO J.R. FAUNCE DHS MANNY ALONZO	MINUTES FROM A TECHNICAL REVIEW COMMITTEE MEETINGS OF JANUARY 23, 1990 AND APRIL 26, 1990.	ADMIN RECORD	TRC PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MM 0000000000000000	000178 11/01/93 10/26/90 00000 10.4		TECNICAL REVIEW COMMITTEE MEETING MCAS EL TORO	ADMIN RECORD	TRC PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MM 0000000000000000	000184 11/01/93 10/26/90 00000 10.4		TECNICAL REVIEW COMMITTEE MEETING AGENDA MCAS EL TORO	ADMIN RECORD	TRC PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 XMTL N6871189D9296 0005	000863 07/18/95 11/05/90 00018 10.4	JACOBS ENGINEERING E. ROGAN SOUTHWEST DIVISION	TECHNICAL REVIEW COMMITTEE (TRC) MEETING MINUTES	ADMIN RECORD	TRC MTG MINS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000 0001	002086 03/23/98 12/10/90 00000 01.6	HOGAN & HARTSON S. REISCH SOUTHWEST DIVISION L. NUZUM	NOTIFICATION FOR ADDITIONAL NAMES TO BE ADDED TO THE MAILING LIST CONTAINED IN APPENDIX A OF THE COMMUNITY RELATIONS PLAN	ADMIN RECORD	CRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOC.DATE	FROM.SIGNATURE.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....								
APPROX.#.OF.PAGES	EPA.CAT#										
M60050 LTR 0000000000000000 0002	000391 12/14/90 00000 10.1	07/05/94 12/14/90 00000 10.1	CITY OF IRVINE FRANCES WINSLOW SOUTHWEST DIVISION LARRY NUZUM		COMMENTING ON MEETING MINUTES OF TRC MEETING, AND CONFIRMING NEXT MEETING.			ADMIN RECORD	TRC FFA PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 RPT 0000000000000000 0005	000417 02/01/91 00000 10.1	07/05/94 02/01/91 00000 10.1	MCAS EL TORO		RESPONSES TO PUBLIC COMMENTS CONCERNING MCAS EL TORO FEDERAL FACILITY AGREEMENT.			ADMIN RECORD	FFA COMMENTS PIM PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0000	000097 02/13/91 00000 10.1	11/01/93 02/13/91 00000 10.1	M. ALONZO DEPT. H & H SOUTHWEST DIVISION L. NUZUM		RESPONSE TO PUBLIC COMMENTS CONCERNING MCAS EL TORO FEDERAL FACILITY AGREEMENT			ADMIN RECORD	FFA COMMENTS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0001	000458 03/20/91 00000 10.4	07/06/94 03/20/91 00000 10.4	MCAS EL TORO MCAS EL TORO		TECHNICAL REVIEW COMMITTEE MEETING AGENDA MCAS EL TORO, MCAS TUSTIN MARCH 20, 1991			ADMIN RECORD	TRC PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871189D9296 0005	001014 04/03/91 00018 01.6	12/08/95 04/03/91 00018 01.6	JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION		MARCH 20, 1991 TRC MEETING MINUTES			ADMIN RECORD	MTG MINS TRC PUB. PARTICIPATI	OUI 18	SOUTHWEST DIVISION
M60050 PLAN N6871189D9296 0040	000719 04/26/91 00018 10.2	06/14/95 04/26/91 00018 10.2	JACOBS ENGINEERING E. ROGA SOUTHWEST DIVISION		FINAL COMMUNITY RELATIONS PLAN			ADMIN RECORD	CRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0014	002090 05/06/91 00000 01.6	03/23/98 05/06/91 00000 01.6	MCAS EL TORO VARIOUS AGENCIES		COPY OF THE RESPONSIVENESS SUMMARY RELATED TO THE MCAS EL TORO RI/FS STUDY WORKPLAN, HEALTH & SAFETY PLN SAP & COMMUNITY RELATIONS PLAN W/O ENCLOSURE			ADMIN RECORD	RI FS H&SP SAP CRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0005	000546 11/01/91 00000 09.3	07/07/94 11/01/91 00000 09.3	MCAS EL TORO		FACT SHEET: THE ENVIRONMENTAL CLEANUP OF MARINE CORPS AIR STATION EL TORO.			ADMIN RECORD	HAZ WASTE PUB. PARTICIPATI AAL		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0006	000892 11/01/91 00000 10.6	07/19/95 11/01/91 00000 10.6	SOUTHWEST DIVISION		FACT SHEET "DESCRIBING INVESTIGATION OF POSSIBLE HAZARDOUS WASTE CONTAMINATION"			ADMIN RECORD	HAZ WASTE PUB. PARTICIPATI	1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16, 17,18,19, 20,21,22	SOUTHWEST DIVISION MCAS EL TORO

[illegible]

M60050	002098	03/25/98	MCAS EL TORO	NOTIFICATION OF A TRC MEETING AT MCAS EL TORO TO BE	ADMIN RECORD	TRC		SOUTHWEST DIVISION
LTR		11/06/91	J. FAUNCE	HELD ON NOVEMBER 14, 1991 AT 1:00 P.M.		PUB. PARTICIPATI		MCAS EL TORO
0000000000000000		00000	VARIOUS AGENCIES	W/O ENCLOSURE				
0001		01.6						
M60050	001834	03/24/97	MCAS EL TORO	PUBLIC FORUM AGENDA	ADMIN RECORD	OU	OU 1	SOUTHWEST DIVISION
MISC		11/18/91		WITH HANDOUTS		CERCLA	OU 2	MCAS EL TORO
0000000000000000		00000				RI	OU 4	
0011		10.4				PUB. PARTICIPATI	18	
							2	
							3	
							5	
							10	
							17	
							1	
							4	
							6	
							7	
							8	
							9	
							11	
							12	
							13	
							14	
							15	
							16	
							19	
							20	
							21	
							22	
M60050	000555	06/19/96	MCAS EL TORO	MINUTES FROM THE NOVEMBER 18, 1991 PUBLIC FORUM HELD	ADMIN RECORD	RI		SOUTHWEST DIVISION
LTR		12/09/91	L.G. SERAFINI	TO DISCUSS THE REMEDIAL INVESTIGATION		TCE		MCAS EL TORO
0000000000000000		00000	US EPA			PUB. PARTICIPATI		
0004		10.5	J. HAMILL					
M60050	002092	03/25/98	MCAS EL TORO	NOTIFICATION THAT A TRC MEETING AT MCAS EL TORO WILL	ADMIN RECORD	TRC	BLDG. 791	SOUTHWEST DIVISION
LTR		05/24/92	L. LARD	BE HELD ON JUNE 2, 1992 AT 1:00 P.M. COMMISSIONED		PUB. PARTICIPATI		MCAS EL TORO
0000000000000000		00000	VARIOUS AGENCIES	OFFICERS CLUB, BUILDING 791				
0002		01.6						
M60050	001020	12/08/95	JACOBS ENGINEERING	JUNE 2, 1992 TRC MEETING MINUTES ON THE RI/FS PHASE I	ADMIN RECORD	MTG MINS	OU1,OU2	SOUTHWEST DIVISION
LTR		06/02/92				TRC	18,2,3,5,	
N6871189D9296		00145	SOUTHWEST DIVISION			PUB. PARTICIPATI	17,24,25	
0004		01.6					OU2A,OU2B	
							OU2C	
M60050	000889	07/19/95	ORANGE COUNTY REG.	NEWS ARTICLE "MARINES DISCLOSE WASTE CLEAN-UP PLAN	ADMIN RECORD	PUBNOT		SOUTHWEST DIVISION
MISC		06/20/92		FOR BASE" ORANGE COUNTY REGISTER		PUB. PARTICIPATI		MCAS EL TORO
0000000000000000		00000						
0001		10.6						

DATE - 12/23/98

PAGE - 4

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC. NO.	PRC. DATE	FROM.....	DOCUMENT TYPE...	DOC. DATE	FROM. SIGNATURE.....	CONTR/GUID. NO..	CTO. NO..	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
APPROX. #. OF. PAGES	EPA. CAT#	TO. SIGNATURE.....												
M60050 XMTL N6871189D9296 0011	000879	07/18/95 10/13/92 00145 11.5	JACOBS ENGINEERING	MEETING WITH TECHNICAL REVIEW COMMITTEE (TRC) RI/FS PHASE I	ADMIN RECORD	MTG MINS TRC PUB. PARTICIPATI							SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0002	000891	07/19/95 12/01/92 00000 10.6	SOUTHWEST DIVISION	FACT SHEET "UPDATE OF THE ENVIRONMENTAL INVESTIGATIONS AT MCAS EL TORO"	ADMIN RECORD	PUBNOT PUB. PARTICIPATI							SOUTHWEST DIVISION MCAS EL TORO	
M60050 XMTL N6871189D9296 0027	000862	07/18/95 12/17/92 00145 10.4	JACOBS ENGINEERING	RI/FS TECHNICAL REVIEW COMMITTEE MEETING MINUTES	ADMIN RECORD	TRC MTG MINS PUB. PARTICIPATI							SOUTHWEST DIVISION MCAS EL TORO	
M60050 MM N6871189D9296 0026	001028	12/08/95 12/17/92 00145 01.6	JACOBS ENGINEERING	DECEMBER 17, 1992 TRC MEETING MINUTES	ADMIN RECORD	TRC MTG MINS PUB. PARTICIPATI	OU1,OU2, OU3,OU2A OU2B,OU2C 1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16, 17,18,19, 20,21,22 24,25					SOUTHWEST DIVISION		
M60050 GUID CA6170023208	000079	11/01/93 02/08/93 00000 11.4	ROBERT C. WILLIAMS DEPT H & H DANA SAKAMOTO SOUTHWESTDIV	AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY, PUBLIC HEALTH ASSESSMENT-PUBLIC COMMENT RELEASE FOR MCAS EL TORO	ADMIN RECORD	PUBNOT ATSDR COMMENTS AM EL TORO NFA PUB. PARTICIPATI						SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC 0000000000000000 0008	000890	07/19/95 12/01/93 00000 10.6	SOUTHWEST DIVISION	FACT SHEET "UPDATE OF THE ENVIRONMENTAL INVESTIGATIONS AT MCAS EL TORO"	ADMIN RECORD	PUBNOT PUB. PARTICIPATI	1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16, 17,19,20, 21,22					SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000	000191	03/03/94 12/17/93 00000 10.1	MCAS EL TORO, CA J. P. CHESSUM ORANGE COUNTY WATER ROY HERNDON	RESTORATION ADVISORY BOARD FORMATION FOR MCAS EL TORO	ADMIN RECORD	RAB PUB. PARTICIPATI						SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000	000192	03/03/94 12/20/93 00000 10.5	MCAS EL TORO, CA J. P. CHESSUM US EPA MR. HAMILL	TRC\RAB MEETING FOR MCAS EL TORO TRANSITION MEETING OPEN TO THE PUBLIC	ADMIN RECORD	RAB TRC PUB. PARTICIPATI						SOUTHWEST DIVISION MCAS EL TORO		

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 MEMO N6871189D9296 0043	000861 03/11/94 00145 10.5	JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION A. PISZKIN	TECHNICAL REVIEW COMMITTEE (TRC) RAB MEETING SUMMARY	ADMIN RECORD	TRC MTG MINS PUB. PARTICIPATI TECH/GUID DOC.		SOUTHWEST DIVISION MCAS EL TORO		
M60050 XMTL N6871189D9296 0034	000865 07/18/95 05/20/94 00145 10.4	JACOBS ENGINEERING J. DOLEGOWSKI SOUTHWEST DIVISION A. PISZKIN	RAB MEETING SUMMARY	ADMIN RECORD	RAB MTG MINS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 XMTL N6871189D9296 0040	000828 07/10/95 08/16/94 00145 10.4	JACOBS ENGINEERING J.DOLEGOWSKI SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD MEETING SUMMARY	ADMIN RECORD	RAB PUB. PARTICIPATI	OU 1	SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC 0000000000000000 0025	001437 04/08/96 08/16/94 00063 10.0	MCAS EL TORO GENERAL PUBLIC	2 JUNE 1994 MCAS EL TORO RESTORATION ADVISORY BOARD MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000 0046	000734 06/15/95 08/25/94 00000 10.4	MCAS EL TORO J.JOYCE RAB MEMBERS	RAB MEETING MINUTES, AGENDA AND RAB CHARTER DRAFT	ADMIN RECORD	MTG MINS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC 0000000000000000 0003	001103 12/22/95 09/14/94 00000 01.6	NEWS FOCUS COMMUNITY MEMBERS	NEWSPAPER ARTICLE "TEAMING UP FOR CLEANUP"	ADMIN RECORD	PUBNOT PUB. PARTICIPATI	OU1	SOUTHWEST DIVISION MCAS EL TORO		
M60050 LTR 0000000000000000 0002	000728 06/15/95 09/19/94 00000 10.4	MCAS EL TORO D. CHANDLER RAB MEMEBERS	RAB MEMBERS RESIGNATIONS, PRIORITIES, ISSUES & COMMUNITY CONCERNS SITE 16	ADMIN RECORD	MTG MINS PUB. PARTICIPATI	16	SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC 0000000000000000 0015	001438 04/08/96 10/12/94 00063 10.0	MCAS EL TORO GENERAL PUBLIC	12 OCTOBER 1994 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC 0000000000000000 0015	001439 04/08/96 12/13/94 00063 10.0	MCAS EL TORO GENERAL PUBLIC	13 DECEMBER 1994 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC 0000000000000000 0020	001440 04/08/96 01/31/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC	31 JANUARY 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO		

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC. NO.	PRC. DATE	FROM.....	DOCUMENT TYPE...	DOC. DATE	FROM SIGNATURE.....	CONTR/GUID. NO.	CTO. NO.	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
APPROX. #. OF PAGES	EPA. CAT#	TO SIGNATURE.....												
M60050 MISC 0000000000000000 0020	001441	04/08/96 02/28/95 00063 10.0	MCAS EL TORO			28 FEBRUARY 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING					ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MM 0000000000000000 0026	001526	07/03/96 03/07/95 00063 10.0	OHM REMEDIATION SVCS W. SEDLAK SOUTHWEST DIVISION L. HORNECKER			MEETING MINUTES/NOTES, AND AGENDA FROM 2/7/95 RESTORATION ADVISORY BOARD (RAB) SUBCOMMITTEE MEETING TO DISCUSS FREE PRODUCT REMOVAL AT THE TANK 398 SITE					ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUB. PARTICIPATI	TANK 398	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001422	04/03/96 03/24/95 00063 10.0	VARIOUS NEWSPAPERS PUBLIC			PUBLIC NOTICE ANNOUNCING THE 30 MARCH 1995 RESTORATION ADVISORY BOARD MEETING PRINTED IN ORANGE COUNTY REGISTER, LOS ANGELES TIMES, AND THE IRVINE WORLD NEWS					ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0020	001444	04/08/96 03/25/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC			22 MAY 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING					ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0020	001442	04/08/96 03/30/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC			30 MARCH 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING					ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001423	04/03/96 04/20/95 00063 10.0	VARIOUS NEWSPAPERS PUBLIC			PUBLIC NOTICE ANNOUNCING THE 27 APRIL 1995 RESTORATION ADVISORY BOARD MEETING PRINTED IN ORANGE COUNTY REGISTER, LOS ANGELES TIMES, AND THE IRVINE WORLD NEWS					ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0001	001556	07/10/96 04/26/95 00000 10.1	MCAS EL TORO J. JOYCE RAB M. RUDOLPH			MCAS EL TORO'S RESPONSE TO COMMENTS SUBMITTED BY THE COMMUNITY CO-CHAIR OF THE RESTORATION ADVISORY BOARD (RAB) ON THE DRAFT ENVIRONMENTAL BASELINE STUDY					ADMIN RECORD	EBS COMMENTS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0020	001443	04/08/96 04/27/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC			27 APRIL 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING					ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0003	001567	07/11/96 05/11/95 00000 10.1	RAB MEMBER J. WERNER MCAS EL TORO J. JOYCE			COMMENTS FROM RAB MEMBER OF THE OPERABLE UNIT (OU) 2 SUBCOMMITTEE ON THE REVISED DRAFT WORK PLAN AND DRAFT FIELD SAMPLING PLAN/PHASE II RI/FS					ADMIN RECORD	COMMENTS RI FS SAP TECH/GUID DOC. PUB. PARTICIPATI	OU2,2,3,5 17,24,15	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001424	04/03/96 05/19/95 00063 10.0	VARIOUS NEWSPAPERS PUBLIC			PUBLIC NOTICE ANNOUNCING THE 25 MAY 1995 RESTORATION ADVISORY BOARD MEETING PRINTED IN ORANGE COUNTY REGISTER					ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
M60050	001294	03/13/96	IRV RANCH WATER DIST	RESTORATION ADVISORY BOARD OU-2 SUBCOMMITTEE COMMENTS	ADMIN RECORD	COMMENTS	OU2,2,3,5,	SOUTHWEST DIVISION				
LTR	05/25/95	R. MCVICKER	TO REVISED DRAFT WORKPLAN AND DRAFT FIELD SAMPLING			RI	17,24,25	MCAS EL TORO				
0000000000000000	00059	RAB COMMUNITY CHAIR	PLAN PHASE II RI/FS			FS						
0005	10.1	M. RUDOLPH				RAB						
						TECH/GUID DOC.						
						PUB. PARTICIPATI						
M60050	001566	07/11/96	IRV. RANCH WATER DIS	LETTER FORWARDING COMMENTS FROM THE OPERABLE UNIT (OU)	ADMIN RECORD	RI	OU2,2,3,5	SOUTHWEST DIVISION				
LTR	05/31/95	R. MCVICKER	2 RAB SUBCOMMITTEE ON THE REVISED DRAFT WORK PLAN AND			FS	17,24,25	MCAS EL TORO				
0000000000000000	00000	MCAS EL TORO RAB	DRAFT FIELD SAMPLING PLAN/PHASE II RI/FS			COMMENTS						
0001	03.0	M. RUDOLPH				SAP						
						TECH/GUID DOC.						
						PUB. PARTICIPATI						
M60050	001321	03/14/96	BECHTEL NATIONAL INC	MAY 31, 1995 RESTORATION ADVISORY BOARD MEETING	ADMIN RECORD	MTG MINS		SOUTHWEST DIVISION				
MISC	05/31/95		MINUTES AND MEETING SIGN-IN SHEETS			RAB		MCAS EL TORO				
0000000000000000	00059	SOUTHWEST DIVISION				PUB. PARTICIPATI						
0014	10.0											
M60050	001557	07/10/96	RAB MEMBER	COMMENTS RECEIVED FROM RESTORATION ADVISORY BOARD	ADMIN RECORD	EBS		SOUTHWEST DIVISION				
LTR	06/08/95	L. SIEVERS	(RAB) MEMBER ON THE DRAFT ENVIRONMENTAL BASELINE			COMMENTS		MCAS EL TORO				
0000000000000000	00000	MCAS EL TORO	SURVEY (EBS)			PUB. PARTICIPATI						
0011	10.1	J. JOYCE										
M60050	000985	10/04/95	JACOBS ENGINEERING	FACT SHEET NO. 3 (WITH MAILING LIST)	ADMIN RECORD	PUBNOT	4,7,11,13,	SOUTHWEST DIVISION				
MISC	07/01/95					EE\CA	14,19,20	MCAS EL TORO				
0000000000000000	00000	COMMUNITY MEMBERS				PUB. PARTICIPATI						
0008	10.4											
M60050	000949	08/07/95	MCAS EL TORO	NOTICE OF JULY 27, 1995 RAB MEETING	ADMIN RECORD	RAB		SOUTHWEST DIVISION				
LTR	07/14/95	J. JOYCE				PUB. PARTICIPATI		MCAS EL TORO				
0000000000000000	00000	RAB MEMBERS										
0003	10.3											
M60050	001425	04/03/96	OC REGISTER	PUBLIC NOTICE ANNOUNCING THE 27 JULY 1995 RESTORATION	ADMIN RECORD	PUBNOT		SOUTHWEST DIVISION				
MISC	07/20/95		ADVISORY BOARD MEETING PRINTED IN ORANGE COUNTY			RAB		MCAS EL TORO				
0000000000000000	00063	PUBLIC	REGISTER			PUB. PARTICIPATI						
0001	10.0											
M60050	001369	03/19/96	BECHTEL NATIONAL INC	FINAL MCAS EL TORO FACT SHEET #3 AND MAILING LIST	ADMIN RECORD	PUB. PARTICIPATI		SOUTHWEST DIVISION				
MISC	07/25/95	D. COWSER				INFO REPOSITORY		MCAS EL TORO				
N6871192D4670	00063	SOUTHWEST DIVISION										
0030	10.6	J. PAYNE										
M60050	000966	08/29/95	RAB MEMBERS	JULY 27, 1995 RAB MEETING MINUTES	ADMIN RECORD	MTG MINS	OU2	SOUTHWEST DIVISION				
MM	07/27/95					PUB. PARTICIPATI	24,25,2,3,	MCAS EL TORO				
0000000000000000	00000						5,17					
0016	10.4						OU3					

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
DOCUMENT TYPE...	DOC DATE	FROM SIGNATURE.....	TO SIGNATURE.....						
CONTR/GUID..NO..	CTO.NO..								
APPROX.#.OF.PAGES	EPA.CAT#								
M60050 MM 0000000000000000 0019	000970	08/29/95 07/27/95 00000 10.4	MCAS EL TORO		JULY 27, 1995 RAB MEETING MINUTES	ADMIN RECORD INFO REPOSITORY	MTG MINS PUB. PARTICIPATI	OU2 2,3,5,17, OU3 24,25	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM 0000000000000000 0007	001067	12/11/95 07/27/95 00000 10.4	MCAS EL TORO RAB MEMBERS		JULY 27, 1995 RAB MEETING MINUTES	ADMIN RECORD INFO REPOSITORY	MTG MINS RAB PUB. PARTICIPATI	OU1,OU2 OU2A,OU2B OU2C,OU3 1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16 17,18,19 20,21,22 24,25	SOUTHWEST DIVISION
M60050 MISC 0000000000000000 0020	001445	04/08/96 07/27/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC		27 JULY 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0001	001575	07/11/96 08/07/95 00000 10.0	RAB MEMBER D. MURPHY MCAS EL TORO J. JOYCE		LETTER FROM RAB MEMBER TO MARINE CORPS/NAVY RAB CO-CHAIR REQUESTING LISTING OF REPORTS AND STUDIES ON THE MAGAZINE ROAD LANDFILL - SITE 2	ADMIN RECORD	PUB. PARTICIPATI	2	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0005	001426	04/03/96 08/24/95 00063 10.0	VARIOUS NEWSPAPERS PUBLIC		PUBLIC NOTICE ANNOUNCING THE 31 AUGUST 1995 RESTORATION ADVISORY BOARD MEETING PRINTED IN THE ORANGE COUNTY REGISTER, TUSTIN WEEKLY, AND LA TIMES	ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0008	000984	10/04/95 08/31/95 00000 10.4	JACOBS ENGINEERING COMMUNITY MEMBERS		AUGUST 31, 1995 RAB MEETING MINUTES	ADMIN RECORD INFO REPOSITORY	EE\CA MTG MINS PUB. PARTICIPATI	4,7,11,13, 14,19,20	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM 0000000000000000 0009	001068	12/11/95 08/31/95 00000 10.4	MCAS EL TORO RAB MEMBERS		AUGUST 31, 1995 RAB MEETING MINUTES (partially privileged and confidential)	ADMIN RECORD CONFIDENTIAL DOC	MTG MINS RAB PUB. PARTICIPATI	OU1,OU2, OU2A,OU2B OU2C,OU3 1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16, 17,18,19 20,21,22 24,25	SOUTHWEST DIVISION
M60050 LTR 0000000000000000 0046	001446	04/08/96 08/31/95 00063 10.0	MCAS EL TORO RAB MEMBERS		31 AUGUST 1995 RESTORATION ADVISORY BOARD MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATION AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC. NO.	PRC. DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC. DATE	FROM SIGNATURE.....							
CONTR/GUID. NO...	CTO. NO...	TO.....							
APPROX. # OF PAGES	EPA. CAT#	TO SIGNATURE.....							
M60050 MISC 0000000000000000 0008	000986 09/01/95 00000 10.4	10/04/95 09/01/95 00000 10.4	JACOBS ENGINEERING COMMUNITY MEMBERS	FACT SHEET NO. 4 (WITH MAILING LIST)	ADMIN RECORD	PUBNOT EE\CA PUB. PARTICIPATI	4,7,11,13, 14,19,20	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0008	000987 09/01/95 00000 10.4	10/04/95 09/01/95 00000 10.4	JACOBS ENGINEERING COMMUNITY MEMBERS	PUBLIC NOTICE ANNOUNCING AVAILABILITY FOR PUBLIC REVIEW OF EE/CA FOR SITE 4,7,11,13,14,19, & 20	ADMIN RECORD	EE\CA PUB. PARTICIPATI	4,7,11,13, 14,19,20	SOUTHWEST DIVISION MCAS EL TORO	
M60050 LTR N6871193D4670 0008	001057 09/14/95 00063 10.3	12/11/95 09/14/95 00063 10.3	BECHTEL NATIONAL INC D.K. COWSER SOUTHWEST DIVISION L. FUJUM	DRAFT AGENDA AND PUBLIC NOTICE SEPTEMBER 28, 1995 WITH RAB MAILING LIST (document made disclosable)	ADMIN RECORD CONFIDENTIAL DOC	RAB MAILING LST PUB. PARTICIPATI	OU1,OU2, OU2A,OU2B OU2C,OU3 1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16 17,18,19 20,21,22, 24,25	SOUTHWEST DIVISION	
M60050 MISC 0000000000000000 0003	001427 09/18/95 00063 10.0	04/03/96 09/18/95 00063 10.0	VARIOUS NEWSPAPERS PUBLIC	PUBLIC NOTICE ANNOUNCING THE 28 SEPTEMBER 1995 RESTORATION ADVISORY BOARD MEETING AND APPLICATION PERIOD APPEARING IN VARIOUS LOCAL NEWSPAPERS	ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC N6871192D4670 0004	001326 09/20/95 00063 10.0	03/18/96 09/20/95 00063 10.0	BECHTEL NATIONAL INC A. SCHWARTZ MCAS EL TORO D. CHANDLER	MCAS TUSTIN/MCAS EL TORO RESTORATION ADVISORY BOARD MEMBERSHIP RECRUITMENT PACKAGE AND PUBLIC NOTICE ANNOUNCING MEMBERSHIP	ADMIN RECORD	RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO	
M60050 MM 0000000000000000 0012	001062 09/28/95 00000 10.4	12/11/95 09/28/95 00000 10.4	MCAS EL TORO COMMUNITY MEMBERS	SEPTEMBER 28, 1995 RAB MEETING MINUTES WITH ATTENDANCE LIST (PARTIALLY PRIVILEGED AND CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL DOC INFO REPOSITORY	MTG MINS RAB PUB. PARTICIPATI	OU2,OU3 OU1,OU2A OU2B,OU2C 1,2,3,4,5, 6,7,8,9,10 11,12,13, 14,15,16 17,18,19, 20,21,22, 24,5 25	SOUTHWEST DIVISION	
M60050 MISC 0000000000000000 0020	001447 09/28/95 00063 10.0	04/08/96 09/28/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC	28 SEPTEMBER 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC N6871192D4670 0014	001327 10/09/95 00063 10.5	03/18/96 10/09/95 00063 10.5	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION P. KENNEDY	27 JULY 1995 AND 31 AUGUST 1995 RESTORATION ADVISORY BOARD MEETING MINUTES AND RAB SUBCOMMITTEE ROSTER	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO	

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

[illegible]

M60050	001386	03/20/96	BECHTEL NATIONAL INC	FINAL MCAS EL TORO FACT SHEET #4, INCLUDES MAILING	ADMIN RECORD	PUB. PARTICIPATI	SOUTHWEST DIVISION
MISC		10/09/95	J. KLEUSENER	LIST	INFO REPOSITORY		MCAS EL TORO
N6871192D4670		00063	SOUTHWEST DIVISION				
0025		10.0	P. KENNEDY				

M60050	001070	12/11/95	MCAS EL TORO	NOTICE OF RAB MEETING FOR OCTOBER 26, 1995 AND	ADMIN RECORD	PUBNOT	OU1,OU2,	SOUTHWEST DIVISION
MISC		10/12/95	J. JOYCE	RAB MAILING LIST (partically priveleged and	CONFIDENTIAL DOC	RAB	OU2A,OU2B	
0000000000000000	00000		RAB MEMBERS	confidential)	INFO REPOSITORY	PUB. PARTICIPATI	OU2C,OU3	
0008	10.4						1,2,3,4,5,	
							6,7,8,9,10	
							11,12,13	
							14,15,16	
							17,18,19	
							20,21,22	
							24,25	

M60050	001435	04/03/96	BECHTEL NATIONAL INC	10 OCTOBER 1995 RESTORATION ADVISORY BOARD MEETING	ADMIN RECORD	RAB	SOUTHWEST DIVISION
MISC		10/12/95	D. COWSER	PUBLIC NOTICE ANNOUNCEMENT AND DRAFT AGENDA	INFO REPOSITORY	PUBNOT	MCAS EL TORO
N6871192D4670		0063B	SOUTHWEST DIVISION			PUB. PARTICIPATI	
0003		10.0	P. KENNEDY				

M60050	001428	04/03/96	VARIOUS NEWSPAPERS	PUBLIC NOTICE ANNOUNCING PUBLIC COMMENT PERIOD FOR	ADMIN RECORD	PUBNOT	4,7,11,13	SOUTHWEST DIVISION
MISC		10/18/95		EE/CAS FOR SITES 4,7,11,13,14,19, AND 20 APPEARING		EE\CA	14,19,20	MCAS EL TORO
0000000000000000		00063	PUBLIC	IN OC REGISTER AND LA TIMES		PUB. PARTICIPATI		
0004		10.0						

M60050	001429	04/03/96	VARIOUS NEWSPAPERS	PUBLIC NOTICE ANNOUNCING 26 OCTOBER RESTORATION	ADMIN RECORD	PUBNOT	SOUTHWEST DIVISION
MISC		10/19/95		ADVISORY BOARD MEETING FOUND IN LA TIMES AND ORANGE	INFO REPOSITORY	RAB	MCAS EL TORO
0000000000000000		00063	PUBLIC	COUNTY REGISTER		PUB. PARTICIPATI	
0004		10.0					

M60050	001448	04/08/96	MCAS EL TORO	26 OCTOBER 1995 MCAS EL TORO RESTORATION ADVISORY	ADMIN RECORD	RAB	SOUTHWEST DIVISION
MISC		10/26/95		MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR	INFO REPOSITORY	MTG MINS	MCAS EL TORO
0000000000000000		00063	GENERAL PUBLIC	PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING		PUBNOT	
0020		10.0				PUB. PARTICIPATI	

M60050	001199	01/23/96	MCAS EL TORO	FACT SHEET NO. 5 UPDATE ON ENIRONMENTAL RESTORATION	ADMIN RECORD	PUB. PARTICIPATI	SOUTHWEST DIVISION
MISC		11/01/95		PROGRAM AT MCAS EL TORO	INFO REPOSITORY		MCAS EL TORO
N6871192D4670		00063	COMMUNITY MEMBERS				
0003		10.6					

M60050	001391	03/20/96	MCAS EL TORO	FAX OF PRESS RELEASE ANNOUNCING EXTENSION OF PUBLIC	ADMIN RECORD	PUBNOT	4,7,11,13	SOUTHWEST DIVISION
MISC		11/17/95	B. BARTELT	COMMENT PERIOD ON THE SEVEN SITES EE/CA		EE\CA	14,15,16	MCAS EL TORO
0000000000000000		00000	BECHTEL NATIONAL INC			PRESS REL	19,20,OU3	
0003		10.6	A. SCHWARTZ			PUB. PARTICIPATI		

M60050	001387	03/20/96	BECHTEL NATIONAL INC	FINAL MCAS EL TORO FACT SHEET #5	ADMIN RECORD	PUB. PARTICIPATI	SOUTHWEST DIVISION
MISC		11/28/95	D. COWSER		INFO REPOSITORY		MCAS EL TORO
N6871192D4670		00063	SOUTHWEST DIVISION				
0025		10.0	P. KENNEDY				

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	TO.....	TO.....					
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.....	TO.....					
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050 MISC 0000000000000000 0025	001385 11/30/95 00063 10.0	03/20/96 11/30/95 00063 10.0	BECHTEL NATIONAL INC RAB		PUBLIC INFORMATION MATERIALS FOR 11/30/95 RAB MEETING INCLUDING 10/26/95 RAB MEETING MINUTES AND 30 NOVEMBER 1995 RAB MEETING HANDOUTS	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0020	001449 11/30/95 00063 10.0	04/08/96 11/30/95 00063 10.0	MCAS EL TORO GENERAL PUBLIC		30 NOVEMBER 1995 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0007	001409 01/11/96 00063 10.1	03/20/96 01/11/96 00063 10.1	RAB MEMBER L. SIEVERS RAB M. RUDOLPH		RAB MEMBER COMMENTS ON DRAFT FINAL UPDATED COMMUNITY RELATIONS PLAN FOR MCAS TUSTIN AND MCAS EL TORO	ADMIN RECORD	CRP COMMENTS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670 0021	001433 01/12/96 00063 10.0	04/03/96 01/12/96 00063 10.0	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION P. KENNEDY		30 NOVEMBER 1995 RESTORATION ADVISORY BOARD DRAFT MEETING MINUTES ALSO INCLUDES SIGN-IN SHEETS, FLIER, AND RAB MAILING LIST	ADMIN RECORD INFO REPOSITORY	MTG MINS RAB OU PUB. PARTICIPATI	OU1,OU2, OU3,1,2,3, 4,5,6,7,8, 9,10,11,12 13,14,15 16,17,18 19,20,21 22,24,25	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670 0011	001213 01/17/96 0063B 10.5	01/30/96 01/17/96 0063B 10.5	BECHTEL NATIONAL INC H. MASRI SOUTHWEST DIVISION P. KENNEDY		31 JANUARY 1996 RESTORATION ADVISORY BOARD DRAFT MEETING AGENDA, PROPOSED CHANGES TO RAB; MISSION STATEMENT AND OPERATING PROCEDURES, 1996 SCHEDULE	ADMIN RECORD INFO REPOSITORY	RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0002	001411 01/18/96 00063 10.1	03/25/96 01/18/96 00063 10.1	CITY OF LAKE FOREST R. WOODINGS RAB M. RUDOLPH		CITY OF LAKE FOREST COMMENTS ON DRAFT FINAL UPDATED COMMUNITY RELATIONS PLAN FOR MCAS TUSTIN AND MCAS EL TORO	ADMIN RECORD	COMMENTS CRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0002	001408 01/22/96 00063 10.1	03/20/96 01/22/96 00063 10.1	RAB M. RUDOLPH MCAS EL TORO J. JOYCE		RESTORATION ADVISORY BOARD COMMENTS TO DRAFT FINAL UPDATED COMMUNITY RELATIONS PLAN	ADMIN RECORD	COMMENTS CRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 LTR 0000000000000000 0004	001410 01/22/96 00063 10.1	03/25/96 01/22/96 00063 10.1	RAB MEMBER A. OLQUIN RAB M. RUDOLPH		RAB MEMBER COMMENTS ON DRAFT FINAL UPDATED COMMUNITY RELATIONS PLAN FOR MCAS TUSTIN AND MCAS EL TORO	ADMIN RECORD	COMMENTS CRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001430 01/24/96 00063 10.0	04/03/96 01/24/96 00063 10.0	VARIOUS NEWSPAPERS PUBLIC		PUBLIC NOTICE ANNOUNCING 31 JANUARY RESTORATION ADVISORY BOARD MEETING FOUND IN LA TIMES AND ORANGE COUNTY REGISTER	ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOC.DATE	FROM.SIGNATURE.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....								
APPROX.#.OF.PAGES	EPA.CAT#										
M60050 MISC 0000000000000000 0040	001450	04/08/96 01/31/96 00063 10.0	MCAS EL TORO GENERAL PUBLIC	31 JANUARY 1996 MCAS EL TORO RESTORATION ADVISORY MEETING AGENDA, MINUTES, HANDOUTS AND MATERIALS FOR PRESENTATIONS, AND PUBLIC NOTICE ANNOUNCING MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUBNOT PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0050	001394	03/20/96 02/05/96 00063 10.0	VARIOUS NEWSPAPERS	VARIOUS NEWSPAPER ARTICLES RELATED TO MCAS EL TORO REUSE ISSUES FOR THE PERIOD OF JULY 1994 TO FEBRUARY 1996	ADMIN RECORD	PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0001	001431	04/03/96 02/21/96 00063 10.0	OC REGISTER PUBLIC	PUBLIC NOTICE ANNOUNCING 28 FEBRUARY RESTORATION ADVISORY BOARD MEETING FOUND IN ORANGE COUNTY REGISTER	ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC N6871192D4670 0015	001434	04/03/96 02/21/96 0063B 10.0	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION P. KENNEDY	28 FEBRUARY 1996 RESTORATION ADVISORY BOARD MEETING AGENDA AND PUBLIC NOTICE, RAB INSTALLATION RESTORATION PROGRAM TOUR ANNOUNCEMENT AND MAIL LIST ALSO INCLUDED	ADMIN RECORD INFO REPOSITORY	RAB PUBNOT PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC N6871192D4670 0015	001274	03/07/96 02/23/96 0063B 10.0	BECHTEL NATIONAL INC D. COWSER SOUTHWEST DIVISION P. KENNEDY	JANUARY 31, 1996, RAB MEETING MAILER INCLUDES DRAFT MEETING MINUTES	ADMIN RECORD INFO REPOSITORY	RAB PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0025	001402	03/20/96 02/27/96 00063 10.0	MCAS EL TORO C. WIEMERT BECHTEL NATIONAL INC B. COLEMAN	DOCUMENTS FOR 23 AND 24 FEBRUARY 1996 MCAS EL TORO RAB TOUR INCLUDES TOUR INFORMATION, PUBLIC NOTICE AND TOWN HALL FLIER	ADMIN RECORD INFO REPOSITORY	RAB PUB. PARTICIPATI	OUI,OU2, OU3,1,2,3, 4,5,6,7,8, 9,10,11,12 13,14,15 16,17,18 19,20,21 24,25		SOUTHWEST DIVISION MCAS EL TORO		
M60050 RPT N6871192D4670 0080	001451	04/08/96 03/01/96 00063 10.2	BECHTEL NATIONAL INC A. SCHWARTZ SOUTHWEST DIVISION	FINAL UPDATED COMMUNITY RELATIONS PLAN FOR MCAS EL TORO	ADMIN RECORD INFO REPOSITORY	CRP PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0001	001432	04/03/96 03/06/96 00063 10.0	MCAS EL TORO BASE RESIDENTS	FLIER ANNOUNCING A "TOWN HALL MEETING" FOR RESIDENTS OF MCAS EL TORO HELD ON 6 MARCH 1996 TO DISCUSS CLEANUP OF CONTAMINATED SOILS, USTS USING TECHNOLOGIES	ADMIN RECORD INFO REPOSITORY	PUBNOT PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0062	002008	09/24/97 04/24/96 00000 10.4	MCAS EL TORO RAB MEMBERS	PUBLIC INFORMATION MATERIALS FOR APRIL 24, 1996 INCLUDES AGENDA, RAB MEETING MINUTES OF 2/28/96, SIGN-IN SHEETS OF 4/24/96	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI RAB MTG MINS PUBNOT	OU 2A 24 TANK 398		SOUTHWEST DIVISION MCAS EL TORO		

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site.....	Location.....
DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....						
CONTR/GUID..NO..	CTO.NO..	TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
M60050 MISC N6871192D4670 0005	001524 04/25/96 00063 10.0	07/03/96 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC	FINAL MCAS EL TORO FACT SHEET #6, UPDATE ON ENVIRONMENTAL RESTORATION PROGRAM AT MCAS EL TORO	ADMIN RECORD INFO REPOSITORY	FACTSHEET PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0005	000543 05/19/96 00063 10.3	06/19/96 J. JOYCE BECHTEL NATIONAL INC B. COLEMAN	MCAS EL TORO	PUBLIC NOTICES ANNOUNCING THE APRIL 24, 1996 RESTORATION ADVISORY BOARD MEETING	ADMIN RECORD INFO REPOSITORY	PUBNOT RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670 0010	000909 05/21/96 0063B 10.0	07/19/95 D. COWSER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC	MAY 29, 1996, RAB MEETING MAILER INCLUDES DRAFT AGENDA AND MINUTES FROM APRIL 24, 1996 RAB AND PUBLIC NOTICE MEETING ANNOUNCEMENT	ADMIN RECORD INFO REPOSITORY	RAB PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001504 05/22/96 00000 10.3	06/06/96 GENERAL PUBLIC	VARIOUS NEWSPAPERS	PUBLIC NOTICES APPEARING IN THE ORANGE COUNTY REGISTER IRVINE WORLD NEWS AND LA TIMES ANNOUNCING 29 MAY 1996 RESTORATION ADVISORY BOARD MEETING	ADMIN RECORD INFO REPOSITORY	RAB PUBNOT UST PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670000 0030	001514 05/29/96 0063B 10.0	07/03/96 RAB ATTENDEES	MCAS EL TORO	29 MAY 1996 RESTORATION ADVISORY BOARD AGENDA, MINUTES FROM 24 APRIL 1996 RAB MEETING, AND HANDOUTS FROM 29 MAY 1996 RAB MEETING	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS UST PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC N6871192D4670000 0010	001513 06/28/96 0063B 10.0	07/03/96 J. KLEUSENER SOUTHWEST DIVISION P. KENNEDY	BECHTEL NATIONAL INC	MAILER OF DRAFT MEETING MINUTES FROM MAY 29, 1996 RAB MEETING, INCLUDES MAILING LIST	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS UST PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 XMTL N6871192D4670 0006	001648 07/16/96 0063B 10.5	09/27/96 C. CARLISLE SOUTHWEST DIVISION P. KENNEDY	BNI SAN DIEGO	JULY 31, 1996 RAB MEETING MINUTES W/ENCL	ADMIN RECORD INFO REPOSITORY	MTG MINS PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0001	001775 07/24/96 00000 10.6	03/20/97 PUBLIC INTEREST	ORANGE CO. REGISTER	JULY 31, 1996 PUBLIC NOTICE OF MCAS EL TORO AND TUSTIN RAB MEETING	ADMIN RECORD INFO REPOSITORY	PRESS REL RAB OU PUBNOT PUB. PARTICIPATI	13 18	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0003	001649 07/25/96 00000 10.6	09/27/96 PUBLIC NOTIFICATION	LOS ANGELES TIMES ORANGE CO.REG.	NEWSPAPER ARTICLES "PUBLIC NOTICE ADS OF JULY 31, 1996 RAB MEETING"	ADMIN RECORD INFO REPOSITORY	PUBNOT PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0001	001818 07/31/96 00000 10.4	03/21/97		RAB MISSION STATEMENT AND OPERATING PROCEDURES	ADMIN RECORD INFO REPOSITORY	RAB PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site... ..Location.....
DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....					
CONTR/GUID..NO..	CTO.NO..	TO.....					
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....					
M60050	001980	09/18/97	MCAS EL TORO	PUBLIC INFORMATION MATERIALS FOR JULY 31, 1996, RAB MEETING-AGENDA, HANDOUTS	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS PUB. PARTICIPATI PUBNOT UST GW BRAC LANDFILL VOC CLEANUP SOIL WATER	3 OU 2C 5 OU 2A 24 TANK 398 25 OU 1 OU 3 OU 2B 2 17 18 15 19 20
MISC	07/31/96						
0000000000000000	00000		RAB MEMBERS				
0100	10.3						
M60050	001703	11/13/96	RAB COMMUNITY CO-CHR	FAXED ANNOUNCEMENT REGARDING FUTURE RAB SUB-COMMITTEE MEETING TO BE HELD ON WEDNESDAY, AUGUST 28, 1996	ADMIN RECORD	RAB PUB. PARTICIPATI	SOUTHWEST DIVISION
MISC	08/26/96		M. RUDOLPH				
0000000000000000	00000		ALL RAB MEMBERS				
0001	10.6						
M60050	001671	09/30/96	BNI SAN DIEGO	SEPTEMBER 25, 1996, DRAFT RAB MEETING AGENDA	ADMIN RECORD	MTG MINS	B
XMTL	09/11/96		D. COWSER	SITE (B) BASEWIDE COMMUNITY RELATIONS SUPPORT MEETING	INFO REPOSITORY	CRP	2
N6871192D4670	0063B		SOUTHWEST DIVISION	MAILER & JULY 31, 1996 DRAFT MEETING MINUTES		RAB	17
0013	10.5		R. SELBY			NFA	4
						PUB. PARTICIPATI	7
							11
							13
							14
							19
							20
							OU2A
M60050	001983	09/18/97	MCAS EL TORO	PUBLIC INFORMATION MATERIALS FOR SEPTEMBER 25, 1996, MEETING-AGENDA, HANDOUTS, & MINUTES OF JULY 31, 1996	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI PUBNOT MTG MINS SOIL CLEANUP	TANK 398 OU 1 OU 2A 18 24 25 2 17 OU 2B OU 2C OU 3 3 5 15 19 20
MISC	09/25/96			RAB MTG., SIGN-IN SHEETS, REV. "BLUE SHEET"			
0000000000000000	00000		RAB MEMBERS				
0068	10.4						

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...	Site...	Location.....
DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....							
CONTR/GUID..NO..	CTO.NO..	TO.....							
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....							
M60050	001876	03/26/97	LOS ANGELES TIMES	PUBLIC NOTICE OF REMOVAL ACTIONS AT MAGAZINE ROAD	ADMIN RECORD	PUBNOT	2		SOUTHWEST DIVISION
MISC		10/10/96		LANDFILL & COMMUNICATION STATION LANDFILL AND REMOVAL	INFO REPOSITORY	REMOVAL	17		MCAS EL TORO
0000000000000000		00000		ACTION AT AIRCRAFT EXPEDITIONARY REFUELING SITE		LANDFILL	19, UNIT 2		
0001		10.3				PUB. PARTICIPATI			
M60050	001877	03/26/97	ORANGE CO REGISTER	PUBLIC NOTICE OF REMOVAL ACTIONS AT MAGAZINE ROAD	ADMIN RECORD	PUBNOT	2		SOUTHWEST DIVISION
MISC		10/10/96		LANDFILL & COMMUNICATION STATION LANDFILL AND REMOVAL	INFO REPOSITORY	REMOVAL	17		MCAS EL TORO
0000000000000000		00000		ACTION AT AIRCRAFT EXPEDITIONARY REFUELING SITE		LANDFILL	19		
0001		10.3				PUB. PARTICIPATI			
M60050	001725	11/21/96	BECHTEL NATIONAL	DRAFT MTG. MINUTES FOR 9/25/96, RAB MEETING AGENDA AND	ADMIN RECORD	RAB			SOUTHWEST DIVISION
LTR		11/18/96	D. COWSER	NOTICE; RAB MEMBER SITE TOUR INFOR. REQUEST	INFO REPOSITORY	MTG MINS			MCAS EL TORO
N6871192D4670		0063B	SOUTHWEST DIVISION	(RAB MAILING LIST IN CONFIDENTIAL FILE)	CONFIDENTIAL DOC	PUB. PARTICIPATI			
0013		01.6	R. SELBY						
M60050	001727	11/21/96	BECHTEL NATIONAL	DRAFT RAB MEETING AGENDA FOR 12/4/96 EL TORO RAB MTG.	ADMIN RECORD	RAB			SOUTHWEST DIVISION
MM		11/20/96	D. COWSER	(RAB MAILING LIST IN CONFIDENTIAL FILE)	INFO REPOSITORY	MTG MINS			MCAS EL TORO
N6871192D4670		0063B	SOUTHWEST DIVISION		CONFIDENTIAL DOC	PUB. PARTICIPATI			
0006		10.4	R. SELBY						
M60050	001814	03/21/97		DECEMBER 4, 1996, RAB DRAFT MEETING MINUTES	ADMIN RECORD	RAB			SOUTHWEST DIVISION
MM		12/04/96			INFO REPOSITORY	MTG MINS			MCAS EL TORO
0000000000000000		00000				PUB. PARTICIPATI			
0014		10.4							
M60050	001848	03/24/97		DECEMBER 4, 1996 RAB MEETING PUBLIC INFO. MATERIALS	ADMIN RECORD	RAB	OU 1		SOUTHWEST DIVISION
MISC		12/04/96		INCLDS: MTG. AGENDA, DRP MTG. MIN., MEMBER SIGN-UP	INFO REPOSITORY	IRP	18		MCAS EL TORO
0000000000000000		00000		SHEET, FACT SHT.#7, EXEC.SUMRY ON DRFT RI OU 3A, ETC.		PUB. PARTICIPATI	OU 2A		
0156		10.4					24		
							OU 2B		
							2		
							17		
							OU 2C		
							3		
							5		
							OU 3A		
							4		
							6		
							8		
							9		
							10		
							11		
							12		
							13		
							15		
							16		
							19		
							20		
							21		
							22		

[illegible]

M60050	001849	03/24/97	MCAS EL TORO	PUBLIC NOTICES OF DECEMBER 4, 1996 RAB MEETING	ADMIN RECORD	PUBNOT		SOUTHWEST DIVISION
MISC		12/04/96	J. JOYCE	IN LOCAL NEWSPAPERS LOS ANGELES TIMES, (ORANGE COUNTY	INFO REPOSITORY	RAB		MCAS EL TORO
0000000000000000		00000	BECHTEL NATIONAL INC	EDITION)AND THE ORANGE COUNTY REGISTER		PUB. PARTICIPATI		
0003		10.3	B. COLEMAN					
M60050	001981	09/18/97	MCAS EL TORO	PUBLIC INFORMATION MATERIALS FOR DECEMBER 4, 1996,RAB	ADMIN RECORD	PUB. PARTICIPATI	OU 3A	SOUTHWEST DIVISION
MISC		12/04/96		MEETING-AGENDA, HANDOUTS, & MINUTES OF SEPTEMBER 25,	INFO REPOSITORY	PUBNOT	OU 2B	MCAS EL TORO
0000000000000000		00000	RAB MEMBERS	1996, REVISED "BLUE SHEET" FOR 12/4/96 MTG.		MTG MINS	OU 2C	
0173		10.4				RAB	OU 1	
						OU	2	
						SOIL	17	
						CLEANUP	18	
						LANDFILL	3	
							5	
							4	
							6	
							8	
							9	
							10	
							11	
							12	
							13	
							15	
							16	
							19	
							21	
							21	
							22	
M60050	001850	03/24/97	BECHTEL NATIONAL INC	FINAL FACT SHEET NO. 7 UPDATE ON ENVIRONMENTAL	ADMIN RECORD	CLEANUP	OU 1	SOUTHWEST DIVISION
XMTL		12/12/96	H. MASRI	RESTORATION PROGRAM (MAILING LIST IN CONFIDENTIAL	INFO REPOSITORY	PUB. PARTICIPATI	OU 2A	MCAS EL TORO
N6871192D4670		0063B	VARIOUS AGENCIES	FILE)	CONFIDENTIAL DOC		24	
0056		10.6						
M60050	001817	03/21/97	MCAS EL TORO	DEFENSE ENVIRONMENTAL RESPONSE TASK FORCE (DERTF)	ADMIN RECORD	RAB	OU 1	SOUTHWEST DIVISION
MISC		01/09/97	J. JOYCE	PRESENTATION	INFO REPOSITORY	RESPONSE	OU 2A	MCAS EL TORO
0000000000000000		00000				PUB. PARTICIPATI	OU 2B	
0017		10.4					OU 2C	
							OU 3	
							2	
							17	
							3	
							5	
M60050	001762	03/20/97	BECHTEL NATIONAL INC	MARCH 26, 1996, REPLACEMENT PAGES TO FINAL UPDATED	ADMIN RECORD	CRP		SOUTHWEST DIVISION
XMTL		01/10/97	H. MASRI	COMMUNITY RELATIONS PLAN	INFO REPOSITORY	IRP		MCAS EL TORO
N6871192D4670		0063B	SOUTHWEST DIVISION			PUB. PARTICIPATI		
0004		10.2	R. SELBY					

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....						
CONTR/GUID..NO..	CTO.NO..	TO.....						
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....						
M60050 001854 XMTL N6871192D4670 0030	03/25/97 01/15/97 0063B 10.4	BECHTEL NATIONAL INC D. COWSER RAB MEMEBERS	RESTORATION ADVISORY BRD. MTG. MAILER 1/30/97 MTG DRAFT RAB MTG. AGENDA, DRAFT PUBLIC NOTICE DRFT MTG. MINS. OF 12/4/96 MTG. (MAILING LIST IN CONFIDENTL.FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	MTG MINS RAB PUB. PARTICIPATI			SOUTHWEST DIVISION MCAS EL TORO
M60050 001764 MISC N6871192D4670 0001	03/20/97 01/30/97 00000 10.4		RESTORATION ADVISORY BOARD MEETING W/O ENCL (REF. DOC. #001813 THRU 001822)	ADMIN RECORD INFO REPOSITORY	RAB PUB. PARTICIPATI			SOUTHWEST DIVISION MCAS EL TORO
M60050 001813 MISC 0000000000000000 0001	03/21/97 01/30/97 00000 10.4	MCAS EL TORO RAB	JANUARY 30, 1997, RAB MEETING AGENDA	ADMIN RECORD INFO REPOSITORY	RAB PUB. PARTICIPATI			SOUTHWEST DIVISION MCAS EL TORO
M60050 001845 XMTL N6871192D4670 0010	03/24/97 03/26/97 0063B 10.1	BECHTEL NATIONAL INC C. CARLISLE VARIOUS AGENCIES	RESTORATION ADVISORY BOARD MEETING MAILER-3/26/96 MEETING AGENDA, PUBLIC NOTICE, 1/30/97 DRAFT MTG. MIN. (RAB MAILING LIST IN CONFIDENTIAL FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	PUBNOT RAB MTG MINS PUB. PARTICIPATI			SOUTHWEST DIVISION MCAS EL TORO
M60050 001938 MISC 0000000000000000 0075	05/28/97 03/26/97 00000 10.3	MCAS EL TORO PUBLIC INTEREST	PUBLIC INFORMATION MATERIALS/HANDOUTS INCLUDES: RAB MEETING AGENDA, JANUARY 30, 1997 DRAFT MTG MINUTES, COMMENTS FROM VARIOUS AGENCIES	ADMIN RECORD INFO REPOSITORY	RAB MTG MINS COMMENTS PUB. PARTICIPATI	24 OU 2A		SOUTHWEST DIVISION MCAS EL TORO
M60050 001949 MM 0000000000000000 0000	06/06/97 03/28/97 00000 10.4	BECHTEL NATIONAL INC D. TEDALDI SOUTHWEST DIVISION T. MARTIN	PUBLIC INFORMATION MATERIALS- MARCH 28, 1997 RAB MEETING	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI RAB	4 6 9 10 13 15 19 20 21 22 25		SOUTHWEST DIVISION MCAS EL TORO
M60050 001925 PLAN 0000000000000000 0008	04/29/97 04/23/97 00000 04.3	BECHTEL NATIONAL INC C. CARLISLE VARIOUS AGENCIES	PROPOSED PLAN FOR OPERABLE UNIT 2A SITE 24 SOIL VADOSE ZONE CLEANUP	ADMIN RECORD INFO REPOSITORY	OU SOIL CLEANUP PUB. PARTICIPATI	2A 24 OU 2A		SOUTHWEST DIVISION MCAS EL TORO
M60050 001936 MISC 0000000000000000 0002	05/28/97 05/14/97 00000 10.6	ORANGE CO. REGISTER PUBLIC INTEREST	NEWSPAPER ARTICLE "PUBLIC TO COMMENT ON BASE CLEANUP"	ADMIN RECORD INFO REPOSITORY	PUBNOT CLEANUP COMMENTS PUB. PARTICIPATI	24 OU 2A		SOUTHWEST DIVISION MCAS EL TORO
M60050 001961 PLAN 0000000000000000 0093	06/30/97 05/15/97 00000 10.4	HAHN & BOWERSOCK J. BURGNER MCAS EL TORO	PROPOSED PLAN FOR ENVIRONMENTAL RESTORATION PUBLIC COMMENT MEETING DATED MAY 15, 1997 ENCLOSED WITH VARIOUS COMMENTS	ADMIN RECORD INFO REPOSITORY	COMMENTS MTG MINS GW CLEANUP PUB. PARTICIPATI	24 OU 2A		SOUTHWEST DIVISION MCAS EL TORO

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOC.DATE	FROM.SIGNATURE.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....								
APPROX.#.OF.PAGES	EPA.CAT#										
M60050	001975	09/18/97	VARIOUS NEWSPAPERS	05/22/97	PUBLIC NOTICE "RAB MEETING FOR MAY 29, 1996"	ADMIN RECORD	PUB. PARTICIPATI				SOUTHWEST DIVISION
MISC						INFO REPOSITORY	PUBNOT				MCAS EL TORO
0000000000000000	00000		PUBLIC INTEREST				RAB				
0003	10.3						MTG MINS				
							CLEANUP				
							UST				
M60050	001934	05/28/97	BECHTEL NATIONAL INC	05/28/97	SITE (B) BASEWIDE COMMUNITY RELATIONS SUPPORT-INCLUDES	ADMIN RECORD	CRP	OU 1			SOUTHWEST DIVISION
MISC			C. CARLISLE		MAY 28, 1997 RAB AGENDA, MARCH 26, 1997 DRAFT MEETING	INFO REPOSITORY	RAB	OU 2C			MCAS EL TORO
N6871192D4670	0063B		VARIOUS AGENCIES		MINUTES, PUBLIC NOTICE & (MAILING LIST IN CONFIDNTL)	CONFIDENTIAL DOC	MTG MINS	OU 3			
0017	10.4						PUB. PARTICIPATI	OU 3A			
								24			
								5			
								2			
								6			
								4			
								3			
								17			
								10			
								13			
								15			
								19			
								20			
								21			
								22			
								25			
								1			
								7			
								8			
								4			
								16			
								11			
								12			
M60050	001974	09/18/97	MCAS EL TORO	05/28/97	PUBLIC INFORMATION MATERIALS FOR MAY 28, 1997, RAB	ADMIN RECORD	PUB. PARTICIPATI	24			SOUTHWEST DIVISION
MISC					MEETING-AGENDA, HANDOUTS & DRAFT MEETING MINUTES FROM	INFO REPOSITORY	RAB	OU 2A			MCAS EL TORO
0000000000000000	00000		RAB MEMBERS		MARCH 26, 1997 RAB MEETING		PUBNOT	OU 3			
0150	10.3						MTG MINS	OU 2B			
								2			
								17			
								OU 3A			
								25			
								4			
								6			
								8			
								9			
								10			
								11			
								12			
								13			
								15			
								16			
								19			

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO									
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....									
M60050	001974	continued									
										20	
										21	
										22	
M60050	001950	06/06/97	BECHTEL NATIONAL INC	PROPOSED PLAN MCAS EL TORO NO FURTHER ACTION SITES				ADMIN RECORD	PUB. PARTICIPATI	4	SOUTHWEST DIVISION
PLAN		06/16/97	D. TEDALDI					INFO REPOSITORY	NFA	6	MCAS EL TORO
0000000000000000	00000		SOUTHWEST DIVISION							9	
0000	01.6		T. MARTIN							10	
										13	
										15	
										19	
										20	
										21	
										22	
										25	
M60050	001959	06/30/97	ORANGE COUNTY REGIST	NEWSPAPER ARTICLE *ELEVEN EL TORO SITES WON'T NEED				ADMIN RECORD	PUBNOT	OU 2A	SOUTHWEST DIVISION
MISC		06/20/97		CLEANUP, MARINES SAY"				INFO REPOSITORY	CLEANUP	OU 3A	MCAS EL TORO
0000000000000000	00000		PUBLIC INTEREST						FUEL	4	
0001	10.6								PUB. PARTICIPATI	6	
										9	
										10	
										13	
										15	
										19	
										20	
										21	
										22	
										25	
M60050	001960	06/30/97	BECHTEL NATIONAL INC	RESPONSIVENESS SUMMARY: RESPONSE TO COMMENTS; COMMENTS				ADMIN RECORD	RESPONSE	OU 2A	SOUTHWEST DIVISION
MISC		06/25/97		FROM PROGRAM MANAGER MCAS EL TORO LOCAL REDEVELOPMENT					COMMENTS	24	MCAS EL TORO
N6871192D4670	00135		SOUTHWEST DIVISION	AUTHORITY ON OU 2A VADOSE ZONE					OU	BLDG. 296	
0004	10.1								GW	BLDG. 297	
									CERCLA		
									VOC		
									SOIL		
									PUB. PARTICIPATI		
M60050	001962	06/30/97	BECHTEL NATIONAL INC	DRAFT INTERIM RECORD OF DECISION OPERABLE UNIT 2A				ADMIN RECORD	VOC	OU 2A	SOUTHWEST DIVISION
RPT		07/01/97	D. TEDALDI	SITE 24-VOC SOURCE AREA VADOSE ZONE					OU	24	MCAS EL TORO
N6871192D4670	00135		VARIOUS AGENCIES						ROD		
0162	05.0								PUB. PARTICIPATI		
M60050	001969	09/18/97	HAHN BOWERSOCK CORP	JULY 31, 1997, PUBLIC COMMENT MEETING PROPOSED PLAN				ADMIN RECORD	PUB. PARTICIPATI		SOUTHWEST DIVISION
MM		07/31/97	J. BURGNER	FOR ENVIRONMENTAL RESTORATION NO FURTHER ACTION SITES				INFO REPOSITORY	PUBNOT		MCAS EL TORO
0000000000000000	00000		MCAS EL TORO	IRP					NFA		
0010	10.4								IRP		
									MTG MINS		

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....	
DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....								
CONTR/GUID..NO..	CTO.NO..	TO.....								
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....								
M60050 MISC 0000000000000000 0017	001970 07/31/97 00000 10.4	09/18/97 07/31/97 00000 10.4	MCAS EL TORO		JULY 31, 1997, PUBLIC COMMENT MEETING NO FURTHER ACTION SITES HANDOUTS INCLUDES, PUBLIC COMMENT FORMS, MEETING EVALUATION, AND SIGN-UP SHEETS	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI COMMENTS NFA		SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0001	001971 07/31/97 00000 10.6	09/18/97 07/31/97 00000 10.6	ORANGE COUNTY REGIST		PUBLIC NOTICE "PRESENTATION AND DISCUSSION MEETING" DATED JULY 31, 1997	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI NFA PUBNOT		SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0002	001972 07/31/97 00000 10.6	09/18/97 07/31/97 00000 10.6	IRVINE WORLD NEWS		NEWSPAPER ARTICLE "MARINES INVITE PUBLIC TO ASK, COMMENT ABOUT CLEANUP OF GROUND CONTAMINATION"	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI COMMENTS CLEANUP PUBNOT	25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0133	001973 08/06/97 00000 10.3	09/18/97 08/06/97 00000 10.3	MCAS EL TORO		PUBLIC INFORMATION MATERIALS FOR AUGUST 6, 1997, RAB MEETING-AGENDA, HANDOUTS & DRAFT MEETING MINUTES FROM MAY 28, 1997 RAB MEETING	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI PUBNOT RAB MTG MINS	25 OU 3A 24 OU 2A 4 6 8 9 10 11 12 13 15 16 19 20 21 22	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0004	001979 09/17/97 00000 10.3	09/18/97 09/17/97 00000 10.3	MCAS EL TORO		CO BECHTEL NATIONAL INC B. COLEMAN	FAXED COPIES OF VARIOUS NEWS CLIPPINGS: PUBLIC NOTICE DATED JULY 31, 1997 PRESENTATION & DISCUSSION MTG., IRP PROPOSED PLAN OU 2A-SITE 24,NRA , OU 3A	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI OU NFA VOC CLEANUP ROD	0' 2A 24 OU 3A	SOUTHWEST DIVISION MCAS EL TORO
M60050 MISC 0000000000000000 0001	002024 09/17/97 00000 10.6	11/21/97 09/17/97 00000 10.6	L.A. TIMES ORANGE COUNTY PUBLIC INTEREST		PUBLIC NOTICE "MARINE CORPS AIR STATION EL TORO" WEDNESDAY, SEPTEMBER 24, 1997 RAB MEETING	ADMIN RECORD INFO REPOSITORY	PUBNOT RAB IRP PUB. PARTICIPATI		SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC N6871192D4670 0015	001978 09/24/97 0063B 10.4	09/18/97 09/24/97 0063B 10.4	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES		RAB MEETING MAILER, AGENDA, & PUBLIC NOTICE OF SEPTEMBER 24, 1997, RAB MEETING MINUTES OF AUGUST 6, 1997 (MAILER IN CONFIDENTIAL FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	CRP RAB MTG MINS PUB. PARTICIPATI SOIL	24 OU 2A OU 3 OU 3A 25 4	SOUTHWEST DIVISION MCAS EL TORO	

DATE - 12/23/98

PAGE - 21

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT.TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	...Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....									
APPROX.#.OF.PAGES	EPA.CAT#	TO.SIGNATURE.....									

M60050 001978 continued

INVESTIGATION	6
CLEANUP	9
ROD	10
FFA	13
	15
	19
	20
	21
	22
	25
	1
	7
	14
	16
OU 3B	8
	11
	12

M60050	002039	11/24/97	MCAS EL TORO	SEPTEMBER 24, 1997, RAB MEETING; PUBLIC INFORMATION	ADMIN RECORD	RAB	24	SOUTHWEST DIVISION
MISC		09/24/97	RAB	MATERIALS INCLUDES: RAB MTG.AGENDA, PUBLIC NOTICE,	INFO REPOSITORY	MTG MINS	OU 2A	MCAS EL TORO
0000000000000000		00000	RAB MEMBERS	RAB MTG.MINS OF 8/6/97, MISC. AGENCIES COMMENTS		PUBNOT		
0071		10.6				COMMENTS	OU 3A	
						PUB. PARTICIPATI	8	

	11
	12
	OU 3
	6
	9
	10
	13
	15
	19
	20
	21
	22
	1
	7
	14
	16

M60050	002026	11/21/97	DTSC LONG BEACH	RESPONSIVENESS SUMMARY FOR PROPOSED PLAN OU 2A	ADMIN RECORD	OU	OU 2A	SOUTHWEST DIVISION
LTR		10/29/97	M. MINGAY	VADOSE ZONE; FORWARDED TO INDIVIDUALS WHO SUBMITTED		COMMENTS	24	MCAS EL TORO
0000000000000000		00000	VARIOUS AGENCIES	COMMENTS (MAILING LIST IN CONFIDENTIAL FILE)	CONFIDENTIAL DOC	PUB. PARTICIPATI	7	
0049		01.6					8	
							9	
							10	
							11	
							22	
							BLDG. 296	
							BLDG. 297	

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC. NO.	PRC. DATE	FROM.	SUBJECT	CLASSIFICATION	KEY WORDS	Site	Location
DOCUMENT TYPE	DOC. DATE	FROM. SIGNATURE	TO. SIGNATURE					
CONTR/GUID. NO.	CTO. NO.	TO.						
APPROX. # OF PAGES	EPA. CAT#	TO. SIGNATURE						
M60050 LTR 0000000000000000 0024	002027 11/21/97 10/29/97 00000 01.6	DTSC LONG BEACH M. MINGAY VARIOUS AGENCIES	RESPONSIVENESS SUMMARY FOR PROPOSED PLAN OU 2A AND 3A NO ACTION SITES; FORWARDED TO INDIVIDUALS WHO SUBMITTED COMMENTS (MAILING LIST IN CONFIDENTIAL FILE)	ADMIN RECORD CONFIDENTIAL DOC	OU COMMENTS PUB. PARTICIPATI	OU 2A OU 3A 9 24 25	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MM N6871192D4670 0019	002030 11/21/97 11/19/97 00155 10.4	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES	COMMUNITY RELATIONS SUPPORT-RAB MEETING AGENDA AND PUBLIC NOTICE FOR 12/3/97 RAB MEETING RAB MEETING SEPTEMBER 24, 1997 MTG. MIN. (MAILER IN CONFIDTL. FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	PUB. PARTICIPATI RAB PUBNOT CLEANUP	OU 2A 24 OU 3A 8 11 12 2 3 5 17	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0091	002058 01/29/98 12/03/97 00000 10.4	MCAS EL TORO RAB MEMBERS	PUBLIC INFORMATION MATERIAL/HANDOUTS INCLUDES: 12/3/97 RAB MEETING AGENDA, PUB. NOTICE, SEPTEMBER 24, 1997 MTG MIN. RAB SIGN-IN SHEET & VARIOUS AGENCIES COMMENTS	ADMIN RECORD INFO REPOSITORY	RAB COMMENTS LANDFILL PUB. PARTICIPATI	OU 3A 6 11 12 2 3 5 17 OU 2B OU 2C OU 2A 24	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0001	002050 12/16/97 12/04/97 00000 10.6	O. COUNTY REGISTER PUBLIC	NEWSPAPER ARTICLE "EL TORO GOLF-COURSE PLANS HEADED FOR THE ROUGH"	ADMIN RECORD INFO REPOSITORY	PUBNOT CLEANUP PUB. PARTICIPATI	SOUTHWEST DIVISION MCAS EL TORO		
M60050 MISC N6871192D4670 0022	002055 01/29/98 01/21/98 00155 10.4	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES	JANUARY 28, 1998, RAB MEETING AGENDA, AND PUBLIC NOTICE RAB AND NON RAB MEMBER SIGN-IN SHEET; DECEMBER 3, 1997 MEETING MINUTES (MAILER IN CONFIDENTIAL FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	MTG MINS RAB CLOSURE CLEANUP PUB. PARTICIPATI	2 3 5 17 OU 2B OU 2C 1 4 OU 3A OU 3B	SOUTHWEST DIVISION MCAS EL TORO	
M60050 MM 0000000000000000 0050	002148 03/30/98 01/28/98 00000 10.4	MCAS EL TORO PUBLIC	PUBLIC INFORMATION MATERIALS INCLUDES: JANUARY 28 1998 AGENDA, PUBLIC NOTICE, DECEMBER 3, 1997 FINAL MTG. MINS., SIGN-IN SHEETS, MISC. AGENCIES COMMENTS	ADMIN RECORD INFO REPOSITORY	PUB. PARTICIPATI MTG MINS COMMENTS BRAC CLEANUP RESULTS	24 OU 2A 2 3 5 17	SOUTHWEST DIVISION MCAS EL TORO	

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOCUMENT TYPE...	DOC.DATE	FROM.SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....	APPROX.#.OF.PAGES	EPA.CAT#						
M60050	002148	continued									
									RAB ROD IR	OU 2B OU 2C TANK 398 1 4 8 11 12 OU 3A	
M60050	002145	03/30/98	BECHTEL NATIONAL INC	FEBRUARY 4, 1998, MEETING MINUTES FOR SITE 24	ADMIN RECORD	MTG MINS	24	SOUTHWEST DIVISION			
XMTL		03/05/98	D. TEDALDI	PILOT TEST UPDATE	INFO REPOSITORY	PUB. PARTICIPATI	OU 2A	MCAS EL TORO			
N6871192D4670		00142	SOUTHWEST DIVISION								
0003		10.4	R. SELBY								
M60050	002146	03/30/98	LOS ANGELES TIMES	NEWSPAPER ARTICLE "EL TORO's TOXIC MESS"	ADMIN RECORD	PUBNOT		SOUTHWEST DIVISION			
MAP		03/08/98			INFO REPOSITORY	HAZ WASTE		MCAS EL TORO			
0000000000000000		00000	PUBLIC INTEREST			SOIL					
0002		01.1				LANDFILL					
						PUB. PARTICIPATI					
M60050	002142	03/30/98	BECHTEL NATIONAL INC	MARCH 4, 1998, MEETING MINUTES FOR SITE 24	ADMIN RECORD	MTG MINS	24	SOUTHWEST DIVISION			
XMTL		03/09/98	D. TEDALDI	PILOT TEST UPDATE		PUB. PARTICIPATI	OU 2A	MCAS EL TORO			
N6871192D4670		00142	SOUTHWEST DIVISION								
0004		10.4	R. SELBY								
M60050	002143	03/30/98	BECHTEL NATIONAL INC	FEBRUARY 25, 1998, MEETING MINUTES FOR SITE 24	ADMIN RECORD	MTG MINS	24	SOUTHWEST DIVISION			
XMTL		03/09/98	D. TEDALDI	PILOT TEST UPDATE		PUB. PARTICIPATI	OU 2A	MCAS EL TORO			
N6871192D4670		00142	SOUTHWEST DIVISION								
0006		10.4	R. SELBY								
M60050	002147	03/30/98	BECHTEL NATIONAL INC	BASEWIDE COMMUNITY RELATIONS SUPPORT-MARCH 25, 1998	ADMIN RECORD	CRP	8	SOUTHWEST DIVISION			
MM		03/12/98	D. TEDALDI	RAB AGENDA, JANUARY 28, 1998 MEETING MINUTES, RAB	INFO REPOSITORY	RAB	11	MCAS EL TORO			
N6871192D4670		00155	SOUTHWEST DIVISION	SIGN-IN SHEETS (MAILER IN CONFIDENTIAL FILE)	CONFIDENTIAL DOC	MTG MINS	12				
0023		10.4	R. SELBY			FS	OU 2B				
						LANDFILL	OU 2C				
						COMMENTS	OU 3				
						PUB. PARTICIPATI	2				
							3				
							5				
							7				
							OU 3A				
M60050	002193	05/07/98	MCAS EL TORO	PUBLIC INFORMATION MATERIALS/HANDOUTS INCLUDES: RAB	ADMIN RECORD	RAB	2	SOUTHWEST DIVISION			
MISC		03/25/98		MTG. AGENDA, PUBLIC NOTICE, JANUARY 28, 1998 MTG. MIN.	INFO REPOSITORY	MTG MINS	24	MCAS EL TORO			
0000000000000000		00000	RAB MEMBERS	MISC. PRESENTATIONS, AGCY. COMMENTS (MAILER IN CONFID.)	CONFIDENTIAL DOC	PUB. PARTICIPATI	OU 3A				
0059		10.6				COMMENTS	OU 2A				
						EVALUATION	OU 1				
						LANDFILL	3				
						VOC	5				
						TECH/GUID DOC.	17				

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC.NO.	PRC.DATE	FROM.....	DOC.DATE	FROM.SIGNATURE.....	TO.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	Site...	Location.....
CONTR/GUID..NO..	CTO.NO..	TO.....	TO.SIGNATURE.....								
APPROX.#.OF.PAGES	EPA.CAT#										
M60050 XMTL N6871192D4670 0005	002187	05/07/98 04/02/98 00161 10.4	BECHTEL NATIONAL INC D.TEDALDI VARIOUS AGENCIES	FEBRUARY 23, 1998, BCT MEETING MINUTES	ADMIN RECORD	MTG MINS LANDFILL BRAC PUB. PARTICIPATI TECH/GUID DOC.	5			SOUTHWEST DIVISION MCAS EL TORO	
M60050 XMTL N6871192D4670 0017	002210	05/11/98 05/11/98 00155 01.1	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES	FINAL PROPOSED PLAN, OPERABLE UNITS 2B AND 2C SITES 2,3,5, AND 17 CLOSURE OF INACTIVE LANDFILLS DATED MAY 1998 (CR & BASE HOUSING MAILING LISTS IN CONFIDENTIAL)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	CLOSURE LANDFILL TECH/GUID DOC. PUB. PARTICIPATI	2 3 5 17 OU 2B OU 2C			SOUTHWEST DIVISION MCAS EL TORO	
M60050 XMTL N6871192D4670 0002	002213	07/21/98 05/14/98 00155 10.3	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES	BASEWIDE COMMUNITY RELATIONS SUPPORT-RESTORATION ADVISORY BOARD MEETING MAILER-CANCELLATION NOTICE OF 5/27/98 RAB MEETING; (RAB MAILING LIST IN CONFID.FILE)	ADMIN RECORD CONFIDENTIAL DOC	PUBNOT RAB CLOSURE LANDFILL PUB. PARTICIPATI				SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0042	002220	07/21/98 05/27/98 00000 01.1	MCAS EL TORO RAB MEMBERS	PUBLIC INFORMATION MATERIALS INCLUDES: RAB SCHEDULE MEETING ANNOUNCEMENT DTD MAY 27, 1998, PROPOSED PLAN CLOSURE OF INACTIVE LANDFILLS, LTRS (VAR.DTES) MISC.	ADMIN RECORD	RAB PUBNOT CLOSURE LANDFILL PUB. PARTICIPATI	2 3 5 17			SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0002	002217	07/21/98 06/11/98 00000 01.1	LOS ANGELES TIMES PUBLIC INTEREST	PUBLIC NOTICES ANNOUNCEMENTS, JUNE 18, 1998; PUBLIC MEETING CLOSURE OF LANDFILLS; LOS ANGELES TIMES (ORANGE COUNTY EDITION) AND ORANGE COUNTY REGISTER	ADMIN RECORD	IRP CLOSURE LANDFILL MONITORING PUB. PARTICIPATI	OU 2B OU 2C 2 3 5 17			SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0150	002221	07/28/98 06/18/98 00000 01.1	MCAS EL TORO J. BURGNER MEMBERS	PUBLIC INFORMATION MATERIALS, JUNE 18, 1998 PUB. MTG. PROPOSED PLAN-CLOSURE OF INACTIVE LANDFILLS, PUBLIC COMMENT FORMS, AND MISC. HANDOUTS	ADMIN RECORD INFO REPOSITORY	PUBNOT CLOSURE LANDFILL EVALUATION COMMENTS PUB. PARTICIPATI	2 3 5 17			SOUTHWEST DIVISION MCAS EL TORO	
M60050 MM 0000000000000000 0200	002280	09/24/98 06/18/98 00000 10.4	HAHN & BOWERSOCK J. BURGNER MCAS EL TORO	PUBLIC MEETING TRANSCRIPT, PROPOSED PLAN FOR CLOSURE OF INACTIVE LANDFILLS. PUBLIC COMMENT MEETING ON JUNE 18, 1998 (PUBLIC COMMENT FORMS IN CONFIDENTIAL FILE)	ADMIN RECORD	PUB. PARTICIPATI COMMENTS MTG MINS GW CLEANUP	5			SOUTHWEST DIVISION MCAS EL TORO	
M60050 MISC 0000000000000000 0150	002222	07/28/98 06/24/98 00000 01.1	MCAS EL TORO RAB MEMBERS	PUBLIC INFORMATION MATERIALS JUNE 24, 1998 RAB MEETING AGENDA, PUBLIC NOTICE, 3/25/98, MTG. MINS. SIGN-IN SHEETS (NON-RAB MBRS. IN CONFID.FILE) MISC.HANDOUTS	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	RAB MTG MINS CLEANUP PUB. PARTICIPATI PUBNOT	24 OU 3A OU 1 OU 2A OU 2B OU 2C			SOUTHWEST DIVISION MCAS EL TORO	

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO (SORT BY DOCUMENT DATE)

UIC No.	DOC. NO.	PRC. DATE	FROM.....	DOC. DATE	FROM. SIGNATURE.....	SUBJECT.....	CLASSIFICATION	KEY WORDS	...Site...	Location.....
CONTR/GUID..NO..	CTO. NO..	TO.....	TO. SIGNATURE.....							
APPROX.#.OF. PAGES	EPA. CAT#									
M60050 PLAN N6871192D467000 0013	002250	08/31/98 07/24/98 00155 03.3	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES			DRAFT PROPOSED PLAN FOR CLEANUP AT THREE SHALLOW SOIL SITES, OPERABLE UNIT 3, SITES 8, 11, AND 12	ADMIN RECORD	SOIL CLEANUP IRP AAL PUB. PARTICIPATI	OU 3 8 11 12	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871192D467000 0019	002255	08/31/98 07/27/98 00155 10.4	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES			RAB MEETING MAILER - RAB MEETING AGENDA & PUB. NOTICE FOR 7/29/98 RAB MEET; RAB MEETING MINUTES, 6/24/98 RAB MEETING MINUTES (MAILING LIST IN CONFIDENTIAL FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	LANDFILL RAB FFA VOC RADIATION PUBNOT PUB. PARTICIPATI	OU 3A OU 3 7 14 16 8 11 12	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM 0000000000000000 0060	002253	08/31/98 07/29/98 00000 10.4	MCAS EL TORO RAB MEMBERS			PUBLIC INFORMATION MATERIALS FOR 7/29/98 RAB MEETING INCLUDING AGENDA/PUBLIC NOTICE, 6/24/98 FINAL MEETING MINUTES AND MISCELLANEOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	RAB SV FS PUB. PARTICIPATI RADIATION CLEANUP	OU 3A OU 3 7 14 16 8 11 12	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871192D46700 0030	002285	10/06/98 09/17/98 00155 10.4	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES			RAB MEETING MAILER-RAB MEETING AGENDA & PUBLIC NOTICE FOR 9/30/98 RAB MEETING, 7/29/98 RAB MEETING MINUTES (SIGN-IN SHEETS & MAILING LIST IN CONFIDENTIAL FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	MTG MINS RAB PUBNOT CLOSURE LANDFILL UST SVEI PUB. PARTICIPATI	OU 3 7 8 11 12 14 16 24	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM 0000000000000000 0175	002289	10/06/98 09/30/98 00000 10.4	MCAS EL TORO RAB MEMBERS			PUB INFO MATERIALS FOR 9/30/98 RAB MEETING; INCLUDING AGENDA, PUBLIC NOTICE, 7/29/98 MEETING MINUTES AND MISCELLANEOUS HANDOUTS (SIGN-IN SHEETS IN CONF FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	PUB. PARTICIPATI MTG MINS RAB PUBNOT LANDFILL CLOSURE UST SVEI	OU 3 7 8 11 12 14 24 OU 2B 2 17 OU 2A	SOUTHWEST DIVISION MCAS EL TORO
M60050 MM N6871192D467000 0031	002298	11/25/98 11/25/98 00155 10.4	BECHTEL NATIONAL INC D. TEDALDI VARIOUS AGENCIES			RAB MEETING MAILER: AGENDA AND PUBLIC NOTICE FOR 12/2/98 RAB MEETING, RAB MEETING MINUTES, 9/30/98 RAB MEETING MINUTES (RAB MAILING LIST IN CONF. FILE)	ADMIN RECORD INFO REPOSITORY CONFIDENTIAL DOC	RAB MTG MINS PUB. PARTICIPATI SOIL ROD PUBNOT	OU 3 7 8 11 12 14 16 OU 2A	SOUTHWEST DIVISION MCAS EL TORO

[illegible]

M60050 002298 continued

24
OU 2B
2
17
OU 2C
3
5

M60050	002303	12/22/98	MCAS EL TORO	PUBLIC INFORMATION MATERIALS FOR DECEMBER 2, 1998 RAB	ADMIN RECORD	RAB	OU 1	SOUTHWEST DIVISION
MM		12/02/98		MEETING; AGENDA, PUBLIC NOTICE, SEPTEMBER 30, 1998 RAB	INFO REPOSITORY	MTG MINS	18	MCAS EL TORO
0000000000000000	00000		RAB MEMBERS	MEETING MINUTES AND MISCELLANEOUS HANDOUTS		GW	OU 2A	
0100	10.4					LANDFILL	24	
						UST	OU 2B	
						SVEI	2	
						VOC	17	
						PUBNOT	OU 2C	
						PUB. PARTICIPATI	2	
							17	
							OU 3A	
							8	
							11	
							12	
							16	
							OU 3B	
							1	
							7	
							14	

PUBLIC PARTICIPATION DOCUMENTS - MCAS EL TORO

UIC #	REC #	PRC. DATE	FROM					
DOC TYPE		DOC. DATE	FROM ORG.					
CONTR NO.		CTO/DO NO.	TO					
# OF PAGES		EPA CAT#	TO ORG.	SUBJECT	KEYWORDS	SITES		
M60050	002303	981222		PUBLIC INFORMATION MATERIALS FOR DECEMBER 2, 1998 RAB MEETING; AGENDA, PUBLIC NOTICE, SEPTEMBER 30, 1998 RAB MEETING MINUTES AND MISCELLANEOUS HANDOUTS	MTG MINS GW LANDFILL RAB SVE PUBNOT VOC PUB. PARTICIPATI UST	OU 1, OU 2A, OU 2B, OU 2C, OU 3A, OU 3B, 1, 18, 24, 2, 17, 7, 16, 12, 11, 8, 14		
MM		981202	MCAS EL TORO					
00000000000000		00000						
0100		10.4	RAB MEMBERS					
M60050	002401	990503		PUBLIC INFORMATION MATERIALS FROM JANUARY 27, 1999 RESTORATION ADVISORY BOARD MEETING; INCLUDING PUBLIC NOTICE, AGENDA, HANDOUTS, 12/2/98 RAB MEETING MINUTES, MEETING SCHEDULE THROUGH AUGUST 1999 AND AGENCY COMMENTS	PUB PARTICIPATI VOC MTG MINS RAB PUBNOT	8, 11, 24, OU-2A, OU-3		
MISC		990127	MCAS EL TORO					
0120		10.4	RAB MEMBERS					
M60050	002397	990413	G. TINKER	RESTORATION ADVISORY BOARD MEETING MAILER - RAB MEETING AGENDA AND PUBLIC NOTICE FOR 3/31/99 RAB MEETING, RAB MEETING MINUTES FOR 1/27/99	MTG MINS MAILING LST RAB PUBNOT			
MTG		990325	SWDIV					
N6871192D46700		00155						
0030		10.4	VARIOUS AGENCIES					
M60050	002398	990413	G. TINKER	ADVISORY BOARD MEETING MAILER - RAB MEETING AGENDA AND PUBLIC NOTICE FOR 4/21/99 RAB MEETING (MEETING RESCHEDULED FROM 3/31/99)	MAILING LST MTG MINS PUBNOT RAB			
MTG		990408	SWDIV					
N6871192D46700		00155						
0020		10.4	VARIOUS AGENCIES					

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX – OU-3A SITES 8, 11 AND 12

UIC No. / Rec. No. Record Type Contr./Guid. No. Approx. # Pages	Prc. Date Record Date CTO No. EPA Cat. #	Author Affil. Author Recipient Affil. Recipient	Subject	Classification	Keywords	Sites	Location
M60050 / 002388 FACT N6871192D467000 0050	04-13-1999 01-01-1999 00155 10.6	SWDIV G. TINKER VARIOUS AGENCIES	FINAL FACT SHEET MARINE CORPS TO PROCEED WITH INTERIM REMEDIAL ACTION AT SITE 24 DTD JANUARY 1999		FACTSHEET IR	00024	SOUTHWEST DIVISION
M60050 / 002373 MISC NONE 0001	04-12-1999 01-16-1999 NONE 10.6	ORANGE COUNTY RE ORANGE COUNTY RE PUBLIC PUBLIC	PUBLIC NOTICE INTERIM REMEDIAL ACTION AT INSTALLATION RESTORATION SITE 24		PRESS REL. PUB. PARTICIPAT	00024	SOUTHWEST DIVISION
M60050 / 002374 MISC NONE 0001	04-12-1999 01-16-1999 NONE 10.6	LA TIMES LA TIMES PUBLIC PUBLIC	PUBLIC NOTICE INTERIM REMEDIAL ACTION AT INSTALLATION RESTORATION SITE 24		PRESS REL PUB. PARTICIPAT	00024	SOUTHWEST DIVISION
M60050 / 002401 MISC NONE 0120	05-03-1999 01-27-1999 NONE 10.4	MCAS EL TORO RAB MEMBERS	PUBLIC INFORMATION MATERIALS FROM JANUARY 27, 1999 RESTORATION ADVISORY BOARD MEETING; INDLUDING PUBLIC NOTICE, AGENDA, HANDOUTS, 12/2/98 RAB MEETING MINUTES	ADMIN RECORD	MTG MINS PUB PARTICIPATI PUBNOT RAB VOC	00008 00011 00012 00024 OU 2A OU 3	SOUTHWEST DIVISION
M60050 / 002375 MISC NONE 0060	04-12-1999 01-27-1999 NONE 10.4	MCAS EL TORO J. JOYCE RAB PUBLIC	RESTORATION ADVISORY BOARD MEETING HELD AT IRVINE CITY HALL		MTG MINS PUB. PARTICIPAT	00024	SOUTHWEST DIVISION
M60050 / 002392 RPT NONE 0500	04-13-1999 03-01-1999 NONE 03.1	DTSC T. MAHMOUND MCAS EL TORO J. JOYCE	BASE REALIGNMENT AND CLOSURE CLEANUP PLAN (BCP)		BCP CLEANUP CLOSURE		SOUTHWEST DIVISION
M60050 / 002410 MISC NONE 0075	05-19-1999 04-21-1999 NONE 10.4	MCAS EL TORO RAB MEMBERS	PUBLIC INFORMATION MATERIALS: PUBLIC NOTICE AND AGENDA FOR 4/21/99 RAB MEETING, MINUTES FROM 1/27/99 RAB MEETING AND VARIOUS HANDOUTS	ADMIN RECORD	LANDFILL PUB. PARTICIPAT PUBNOT RAB SOIL	00002 00003 00005 00008 00011 00012 00017 OU 2B OU 2C OU 3A	SOUTHWEST DIVISION

Thursday, September 09, 1999

This Administrative Record (AR) Index includes references to documents which cite bibliography sources. These bibliographic citations are considered to be part of this AR but may not be cited separately in the index.

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX – OU-3A SITES 8, 11 AND 12

UIC No. / Rec. No. Record Type Contr./Guid. No. Approx. # Pages	Prc. Date Record Date CTO No. EPA Cat. #	Author Affil. Author Recipient Affil. Recipient	Subject	Classification	Keywords	Sites	Location
M60050 / 000038 MEMO NONE 0001	08-04-1999 05-19-1999 NONE 10.3	LOS ANGELES TIMES/ORANGE CNTY PUBLIC INTEREST	PUBLIC NOTICE OF PUBLIC MEETING AND RESTORATION ADVISORY BOARD MEETING TO BE HELD 5/26/99	ADMIN RECORD	IRP PUBNOT RAB SOIL	11 12 17 2 8	SOUTHWEST DIVISION
M60050 / 000039 MEMO NONE 0001	08-04-1999 05-19-1999 NONE 10.3	ORANGE COUNTY REGISTER PUBLIC INTEREST	PUBLIC NOTICE OF PUBLIC MEETING AND RESTORATION ADVISORY BOARD MEETING TO BE HELD 5/26/99	ADMIN RECORD	BRAC IRP PUBNOT RAB	11 12 17 2 8	SOUTHWEST DIVISION
M60050 / 000040 MEMO NONE 0001	08-04-1999 05-06-1999 NONE 10.3	ORANGE COUNTY REGISTER PUBLIC INTEREST	PUBLIC NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD FOR CLEANUP AT OU- 3, SITES 8, 11 AND 12	ADMIN RECORD	BRAC IRP PUBNOT SOIL	11 12 8	SOUTHWEST DIVISION
M60050 / 000043 MEMO NONE 0001	08-04-1999 05-06-1999 NONE 10.3	LOS ANGELES TIMES PUBLIC INTEREST	PUBLIC NOTICE OF PUBLIC REVIEW AND COMMENT PERIOD FOR CLEANUP AT OU- 3, SITES 8, 11 AND 12	ADMIN RECORD	BRAC IRP PUBNOT SOIL	11 12 8	SOUTHWEST DIVISION
M60050 / 002407 PLAN NONE 0000	05-04-1999 05-06-1999 NONE 03.3	SWDIV G. TINKER VARIOUS AGENCIES	FINAL - PROPOSED PLAN FOR CLEANUP AT OPERABLE UNIT 3, SITES 8,11 AND 12	ADMIN RECORD	CLEANUP OU PROPOSED PLAN SOIL	00008 00011 00012 OU 3	SOUTHWEST DIVISION
M60050 / 000037 MM NONE 0040	08-04-1999 05-26-1999 NONE 10.4	EL TORO RAB RAB MEMBERS	RESTORATION ADVISORY BOARD MEETING AGENDA AND HANDOUTS FOR THE 5/26/99 RAB MEETING WITH 4/21/99 RAB MEETING MINUTES (NON-RAB SIGN-IN SHEETS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL	FS MTG MINS RAB RI	11 12 8	SOUTHWEST DIVISION
M60050 / 000056 MEMO NONE 0005	08-04-1999 05-26-1999 NONE 10.4	HAHN & BOWERSOCK CORP J. BURGNER SOUTHWEST DIVISION	TRANSCRIPT OF 5/26/99 PUBLIC COMMENT MEETING FOR PROPOSED PLAN FOR CLEANUP AT OPERABLE UNIT 3, SITES 8, 11 AND 12	ADMIN RECORD	MTG MINS SOIL	11 12 8 OU 3	SOUTHWEST DIVISION

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX – OU-3A SITES 8, 11 AND 12

UIC No. / Rec. No. Record Type Contr./Guid. No. Approx. # Pages	Prc. Date Record Date CTO No. EPA Cat. #	Author Affil. Author Recipient Affil. Recipient	Subject	Classification	Keywords	Sites	Location
M60050 / 000066 MM NONE 0100	08-04-1999 05-26-1999 NONE 10.5	MCAS EL TORO PUBLIC INTEREST	PUBLIC INFORMATION MATERIALS FOR PUBLIC MEETING HELD 5/26/99 ON PROPOSED PLAN FOR CLEANUP AT OPERABLE UNIT 3, SITES 8, 11 AND 12	ADMIN RECORD	IRP RAB SOIL VOC WATER WELLS	11 12 8 OU 3	SOUTHWEST DIVISION
M60050 / 000072 RPT N68711-92-D-4670 0150	08-04-1999 06-03-1999 00164 05.1	BNI D. TEDALDI SOUTHWEST DIVISION R. SELBY	DRAFT - RECORD OF DECISION FOR OPERABLE UNIT 3A, SITES 8, 11 AND 12	ADMIN RECORD	AOC CERCLA FFA FS IAS IRP NPL OCWD OSHA PCB PCE RCRA RI ROD SVOC TCE TPH VOC	11 12 8 OU 3A	SOUTHWEST DIVISION
M60050 / 000019 LTR N68711-92-D-4670 0025	08-03-1999 07-15-1999 00155 10.4	BNI T. HEIRONIMUS SOUTHWEST DIVISION R. SELBY	RESTORATION ADVISORY BOARD MEETING MAILER: AGENDA AND PUBLIC NOTICE FOR 7/28/99 RAB MEETING WITH 5/26/99 MEETING MINUTES (MAILING LIST CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL	FOSL GW IRWD MTG MINS RAB	11 12 8 OU 1 OU 2A	SOUTHWEST DIVISION
M60050 / 000058 MEMO NONE 0001	08-04-1999 07-23-1999 NONE 10.3	ORANGE COUNTY REGISTER PUBLIC INTEREST	PUBLIC NOTICE ANNOUNCING 7/28/99 RESTORATION ADVISORY BOARD MEETING	ADMIN RECORD	FOSL PUBNOT RAB		SOUTHWEST DIVISION

MCAS EL TORO DRAFT ADMINISTRATIVE RECORD FILE INDEX – OU-3A SITES 8, 11 AND 12

UIC No. / Rec. No.	Prc. Date	Author Affil.					
Record Type	Record Date	Author					
Contr./Guid. No.	CTO No.	Recipient Affil.	Subject	Classification	Keywords	Sites	Location
Approx. # Pages	EPA Cat. #	Recipient					
M60050 / 000134	09-09-1999	EL TORO RAB	PUBLIC INFORMATION MATERIALS FROM	ADMIN RECORD	MTG MINS	1	SOUTHWEST DIVISION
MISC	07-28-1999		7/28/99 RESTORATION ADVISORY BOARD		RAB	12	
NONE	NONE	RAB MEMBERS	MEETING WITH 5/26/99 RAB MEETING			17	
0100	10.4		MINUTES AND VARIOUS HANDOUTS			2	
						24	
						3	
						5	
						8	
						OU 1	
						OU 2A	
						OU 3	
M60050 / 000137	09-09-1999	BECHTEL	RESTORATION ADVISORY BOARD	ADMIN RECORD	COMMENTS	1	SOUTHWEST DIVISION
MM	08-04-1999	NATIONAL INC	SUBCOMMITTEE MEETING MINUTES AND		MTG MINS	12	
N68711-92-D-4670	00155	T. HEIRONIMUS	RAB MEMBER DOCUMENT COMMENTS		RAB	17	
0018	10.4	VARIOUS	PRESENTED AT THE 7/28/99 RAB MEETING			18	
		AGENCIES				2	
						24	
						3	
						5	
						8	